

Datasheet for ABIN4371614

## EGFR Protein (AA 25-378, Mutant) (His tag)



[Go to Product page](#)

### Overview

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Quantity:                     | 50 µg                                       |
| Target:                       | EGFR                                        |
| Protein Characteristics:      | AA 25-378, Mutant                           |
| Origin:                       | Human                                       |
| Source:                       | Human Cells                                 |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This EGFR protein is labelled with His tag. |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Recombinant Human Epidermal Growth Factor Receptor (V30G, Del31-297)/ErbB1/HER1 (C-6His)                                                                                                                                                                                                                                                                                                                                                                 |
| Sequence:        | <p>LEEKKGNYVV TDHGSCVRAC GADSYEMEED GVRKCKKCEG PCRKVCNGIG IGEFKDSLSI</p> <p>NATNIKHFKN CTSISGDLHI LPVAFRGDSF THTPPLDPQE LDILKTVKEI TGFLLIQAWP</p> <p>ENRTDLHAFE NLEIIRGRTK QHGQFSLAVV SLNITSLGLR SLKEISDGDV IISGNKNLCY</p> <p>ANTINWKKLF GTSGQKTKII SNRGENSCKA TGQVCHALCS PEGCWGPEPR DCVSCRNVSR</p> <p>GRECVDKCNL LEGEPREFVE NSECIQCHPE CLPQAMNITC TGRGPDNCIQ CAHYIDGPHC</p> <p>VKTCPAGVMG ENNTLVWKYA DAGHVCHLCH PNCTYGCTGP GLEGCPNTGP KIPSVDHHHH HH</p> |
| Characteristics: | Recombinant Human Epidermal growth factor receptor mutant is produced with a mammalian expression system in human cells. The target protein is expressed with sequence (Leu25-Ser378) of Human EGFR mutant fused with a 6His tag at the C-terminus.                                                                                                                                                                                                      |
| Purity:          | > 95 % as determined by reducing SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                               |

## Product Details

|                  |                                                          |
|------------------|----------------------------------------------------------|
| Sterility:       | 0.2 µm filtered                                          |
| Endotoxin Level: | Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | EGFR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Alternative Name: | Epidermal Growth Factor Receptor ( <a href="#">EGFR Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Molecular Weight: | 39.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| UniProt:          | <a href="#">P00533</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Pathways:         | <a href="#">NF-kappaB Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Hepatitis C</a> , <a href="#">Positive Regulation of Response to DNA Damage Stimulus</a> , <a href="#">Interaction of EGFR with phospholipase C-gamma</a> , <a href="#">Thromboxane A2 Receptor Signaling</a> , <a href="#">EGFR Downregulation</a> , <a href="#">S100 Proteins</a> |

## Application Details

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                  |                                                                                                                                                                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:          | Lyophilized                                                                                                                                                                                                                                     |
| Reconstitution:  | It is not recommended to reconstitute to a concentration less than 100 µg/mL.<br>Dissolve the lyophilized protein in ddH2O.<br>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.                                        |
| Buffer:          | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.                                                                                                                                                                                     |
| Handling Advice: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting.                                                                                                                                                                      |
| Storage:         | 4 °C/-20 °C/-80 °C                                                                                                                                                                                                                              |
| Storage Comment: | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.<br>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.<br>Aliquots of reconstituted samples are stable at < -20°C for 3 months. |