

Datasheet for ABIN7547451

## ENTPD2 Protein (AA 1-495) (His tag)



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### Overview

|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Quantity:                     | 1 mg                                          |
| Target:                       | ENTPD2                                        |
| Protein Characteristics:      | AA 1-495                                      |
| Origin:                       | Human                                         |
| Source:                       | HEK-293 Cells                                 |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This ENTPD2 protein is labelled with His tag. |

### Product Details

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:     | Custom-made recombinant ENTPD2 Protein expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Sequence:    | <p>MAGKVRSLLP PLLLAAAGLA GLLLLCVPTR DVREPPALKY GIVLDAGSSH TSMFIYKWPA<br/> DKENDTGIVG QHSSCDVPGG GISSYADNPS GASQSLVGCL EQALQDVPKE RHAGTPLYLG<br/> ATAGMRLNL TNPEASTSVL MAVTHTLTQY PFD FRGARIL SGQEEGVFGW VTANYLLENF<br/> IKYGWVGRWF RPRKGT LGAM DLGGASTQIT FETTSPAEDR ASEVQLHLYG QHYRVYTHSF<br/> LCYGRDQVLQ RLLASALQTH GFHPCWPRGF STQVLLGDVY QSPCTMAQRP QNFNSSARVS<br/> LSGSSDPHLC RDLVSGLFSF SSCPFSRCSF NGVFQPPVAG NFVAFAFFY TVDFLRTSMG<br/> LPVATLQLE AAVNVNQT WAQLQARVPG QRARLADYCA GAMFVQQLS RGYGFDERAF<br/> GGVIFQKKA DTAVGWALGY MLNLNLIPA DPPGLRKGTD FSSWVLLLL FASALLAALV<br/> LLLRQVHSAK LPSTI</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p> |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Product Details

isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

### Target:

ENTPD2

### Alternative Name:

ENTPD2 ([ENTPD2 Products](#))

### Background:

Ectonucleoside triphosphate diphosphohydrolase 2 (NTPDase 2) (EC 3.6.1.-) (CD39 antigen-like 1) (Ecto-ATP diphosphohydrolase 2) (Ecto-ATPDase 2) (Ecto-ATPase 2),FUNCTION: In the nervous system, could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. Hydrolyzes ADP only to a marginal extent. The order of activity with different substrates is ATP > GTP > CTP = ITP > UTP >> ADP = UDP.

### Molecular Weight:

53.7 kDa

### UniProt:

[Q9Y5L3](#)

## Application Details

### Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Application Details

Restrictions: For Research Use only

Handling

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| Format:          | Liquid                                                           |
| Buffer:          | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles.                               |
| Storage:         | -80 °C                                                           |
| Storage Comment: | Store at -80°C.                                                  |
| Expiry Date:     | 12 months                                                        |