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## Datasheet for ABIN7454154 IL-37 Protein (AA 27-192)

### Overview

|                          |                            |
|--------------------------|----------------------------|
| Quantity:                | 100 µg                     |
| Target:                  | IL-37 (IL37)               |
| Protein Characteristics: | AA 27-192                  |
| Origin:                  | Human                      |
| Source:                  | Escherichia coli (E. coli) |
| Protein Type:            | Recombinant                |

### Product Details

|                              |   |
|------------------------------|---|
| Purpose:                     | Human IL-37 Protein   |
| Sequence:                    | Lys27-Asp192  |
| Characteristics:             | Recombinant Human IL-37 Protein is expressed from E.coli without tag.It contains Lys27-Asp192.            |
| Purity:                      | > 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC  |
| Sterility:                   | 0.22 µm filtered  |
| Endotoxin Level:             | Less than 1EU per µg by the LAL method.   |
| Biological Activity Comment: | The affinity constant of 0.12 µM as determined in SPR assay (Biacore T200). See testing image for detail. |

### Target Details

|         |              |
|---------|--------------|
| Target: | IL-37 (IL37) |
|---------|--------------|

### Target Details

|                   |  |
|-------------------|--|
| Alternative Name: | IL-37 ( <a href="#">IL37 Products</a> )  |
| Background:       | IL-37 is a unique member of the IL-1 family of cytokines, which functions as a natural suppressor of inflammatory and immune responses. Immune and non-immune cells produce IL-37 precursor following pro-inflammatory stimuli. Following activating cleavage by caspase-1, mature IL-37 translocates to the nucleus, where it suppresses transcription of pro-inflammatory genes. |
| Molecular Weight: | 18.55 kDa same as Tris-Bis PAGE result.  |

### Application Details

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

### Handling

|                    |  |
|--------------------|--|
| Format:            | Lyophilized  |
| Reconstitution:    | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.   |
| Buffer:            | Lyophilized from 0.22µm filtered solution in 20 mM PBS, 2 mM DTT ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.   |
| Preservative:      | Dithiothreitol (DTT)   |
| Precaution of Use: | This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.   |
| Storage:           | -20 °C,-80 °C  |
| Storage Comment:   | -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date:       | 12 months  |