

# Recombinant Full Length Human TNFRSF18 Protein, C-Flag-tagged

**Cat. No.** TNFRSF18-1320HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human TNFRSF18 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | This gene encodes a member of the TNF-receptor superfamily. The encoded receptor has been shown to have increased expression upon T-cell activation, and it is thought to play a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. Knockout studies in mice also suggest the role of this receptor is in the regulation of CD3-driven T-cell activation and programmed cell death. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 23.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MAQHGAMGAFRALCGLALLCALS LGQRPTGGPGCGPGRLLLGTGTDARCCRVHTT<br>RCCRDYPGEECCSEW DCMCVQPEFHCGDPCCTTCRHHPCPPGQGVQSQ GKFSF<br>GFQCIDCASGTFSGGHEGHCKPWT DCTQFGFL TVFPGNKTHNAVCPGSPPAEPL<br>GWLTVVLLAVAACVLLLTSAQLGLHIWQLRSQCMWPRETQLLLEVPP<br>STEDARSCQFP EEER GERSAEEKGRLGDLWVTRTRPLEQKLISEEDLAANDILDYKD                                                                                                                                                                                                                                              |

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|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|                         | DDDKV                                                                                                                                         |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Druggable Genome, Secreted Protein, Transmembrane                                                                                             |
| <b>Protein Pathways</b> | Cytokine-cytokine receptor interaction                                                                                                        |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| <b>Gene Name</b>       | TNFRSF18 TNF receptor superfamily member 18 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | TNFRSF18                                                             |
| <b>Synonyms</b>        | AITR; GITR; CD357; GITR-D; ENERGEN                                   |
| <b>Gene ID</b>         | 8784                                                                 |
| <b>mRNA Refseq</b>     | NM_004195.3                                                          |

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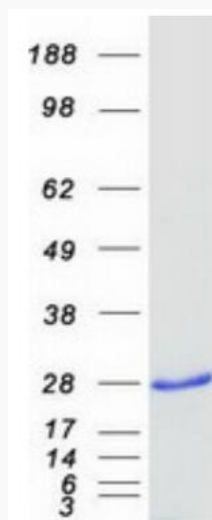
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**Protein Refseq** [NP\\_004186.1](#)

**MIM** [603905](#)

**UniProt ID** [Q9Y5U5](#)



Coomassie blue staining of purified TNFRSF18 protein.

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