

## Recombinant Human Tumor Necrosis Factor (Ligand) Superfamily, Member 15, His-tagged

Cat. No. TNFSF15-494H Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human TNFSF15 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (72-251aa).                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | Tumor necrosis factor ligand superfamily member 15, also known TNFSF15, belongs to the TNF superfamily. TNFSF15 is predominantly expressed in endothelial cells and its expression is inducible by TNF $\alpha$ and IL1 $\alpha$ . TNFSF15 is an angiogenesis inhibitor of the TNF family and functions in part by directly inhibiting endothelial cell proliferation. TNFSF15 may act as an autocrine factor to induce apoptosis in endothelial cells via activation of multiple signaling pathways, including stress protein kinases and certain caspases. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 50% glycerol, 0.2M NaCl                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 22.7 kDa (201aa), confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | > 95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Concentration</b>    | 1 mg/ml (determined by Bradford assay )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                                 |                                                                                                                                                                                                                                                                       |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sequences of amino acids</b> | MGSSHHHHHH SSGLVPRGSH MLKGQEFAPS HQQVYAPLRA DGDKPRAHLT<br>VVRQTPTQHF KNQFPALHWE HELGLAFTKN RMNYTNKFL IPESGDYFIY<br>SQVTRGMTS ECSEIRQAGR PNKPDSITVV ITKVTDSYPE PTQLLMGTKS<br>VCEVGSNWFQ PIYLGAMFSL QEGDKLMVNV SDISLVDTYK EDKTFFGAFL L                                  |
| <b>Endotoxin Level</b>          | <1.0 EU per 1 ug of protein (determined by LAL assay)                                                                                                                                                                                                                 |
| <b>Storage</b>                  | Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.                                                                                                                 |
| <b>Passway</b>                  | Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Senescence and Autophagy, organism-specific biosystem                                                                               |
| <b>GENE INFORMATION</b>         |                                                                                                                                                                                                                                                                       |
| <b>Gene Name</b>                | TNFSF15 tumor necrosis factor (ligand) superfamily, member 15 [ Homo sapiens ]                                                                                                                                                                                        |
| <b>Synonyms</b>                 | TNFSF15; MGC129934; MGC129935; TL1; TL1A; VEGI; VEGI192A; Tumor necrosis factor ligand superfamily member 15; Vascular endothelial cell growth inhibitor; TNF ligand-related molecule 1; TNF15; TL-1; VEGI-192; tumor necrosis factor (ligand) superfamily, member 15 |
| <b>Gene ID</b>                  | 9966                                                                                                                                                                                                                                                                  |
| <b>MIM</b>                      | 604052                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>              | NM_001204344                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>           | NP_001191273                                                                                                                                                                                                                                                          |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                        |                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt ID             | O95150                                                                                                                                                                                            |
| Chromosome<br>Location | 9q32                                                                                                                                                                                              |
| Function               | cytokine activity; death receptor binding; receptor binding; tumor necrosis factor receptor bindingTitle: Methionine sulfoxide reductases protect Ffh from oxidative damages in Escherichia coli. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA