

## Active Recombinant Human TNFSF4 protein, Fc-tagged

**Cat. No.** TNFSF4-0589H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Product Overview</b> | Recombinant Human TNFSF4 protein(Gln51-Leu183), fused with Fc tag, was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 51-183 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.                                                                                                                                                                                                                                                                                                                                                         |
| <b>Bio-activity</b>     | <p>Immobilized Human OX40 Protein, His Tag (MALS verified) at 2 µg/mL (100 µL/well) can bind Human OX40 Ligand, Fc Tag with a linear range of 0.1-1 ng/mL.</p> <p>Immobilized Cynomolgus / Rhesus macaque OX40, His Tag at 2 µg/mL (100 µL/well) can bind Human OX40 Ligand, Fc Tag with a linear range of 0.2-3 ng/mL.</p> <p>Immobilized Biotinylated Human OX40, Avitag,His Tag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Human OX40 Ligand, Fc Tag with a linear range of 0.1-0.4 ng/mL.</p> |
| <b>Molecular Mass</b>   | <p><b>Molecular Characterization</b> This protein carries a human IgG1 Fc tag at the N-terminus. The protein has a calculated MW of 74.0 kDa. The protein migrates as 130-210 kDa under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.</p>                                                                                                                                                                                                                                                                               |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Proteinlength</b>    | Gln51-Leu183                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.>90% as determined by SEC-MALS.                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                              |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>        | TNFSF4 tumor necrosis factor (ligand) superfamily, member 4 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                |
| <b>Official Symbol</b>  | TNFSF4                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>         | TNFSF4; tumor necrosis factor (ligand) superfamily, member 4; tax transcriptionally activated glycoprotein 1, 34kD , TXGP1; tumor necrosis factor ligand superfamily member 4; CD252; gp34; OX 40L; OX40L; CD134 ligand; glycoprotein Gp34; OX40 antigen ligand; TAX transcriptionally-activated glycoprotein 1; tax-transcriptionally activated glycoprotein 1 (34kD); GP34; OX4OL; TXGP1; CD134L; OX-40L; |
| <b>Gene ID</b>          | 7292                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_003326                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>   | NP_003317                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>              | 603594                                                                                                                                                                                                                                                                                                                                                                                                      |

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UniProt ID

P23510

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