

Active Recombinant Human TNFRSF4 Protein, hlgG/His-tagged

Cat. No. TNFRSF4-05H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human TNFRSF4 (29-214aa), fused to hlgG-His-tag at C terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Species Human

Source Insect Cells

ProteinLength 29-214 a.a.

Description The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been shown to activate NF-kappaB through its interaction with adaptor proteins TRAF2 and TRAF5. Knockout studies in mice suggested that this receptor promotes the expression of apoptosis inhibitors BCL2 and BCL2L1/BCL2-XL, and thus suppresses apoptosis. The knockout studies also suggested the roles of this receptor in CD4+ T cell response, as well as in T cell-dependent B cell proliferation and differentiation.

Form Liquid

Bio-activity Measured by its binding ability in a functional ELISA with mouse OX40 Ligand/TNFSF4. The ED50 range $\leq 0.15 \mu\text{g/mL}$.

Molecular Mass 46.9 KDa (425aa)

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AA Sequence	LHCVGDYTPSNDRCCHECRPGNGMVSRCRSQNTVCRPCGPGFYNDVVSSKPCK PCTWCNLRSGSERKQLCTATQDQTVCRRCRAGTQPLDSYKPGVDCAPCPPGHFSPG DNQACKPWTNCTLAGKHTLQPASNSSDAICEDRDPPATQPQETQGPPARPITVQPT EAWPRTSQGPSTRPVEVPGGRA
Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE, Bioactivity
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name	TNFRSF4 TNF receptor superfamily member 4 [Homo sapiens (human)]
Official Symbol	TNFRSF4
Synonyms	TNFRSF4; TNF receptor superfamily member 4; OX40; ACT35; CD134; IMD16; TXGP1L; tumor necrosis factor receptor superfamily member 4; ACT35 antigen; ATC35 antigen; CD134 antigen; OX40 antigen; OX40 cell surface antigen; OX40 homologue; OX40L receptor; TAX transcriptionally-activated glycoprotein 1 receptor; lymphoid activation antigene ACT35; tax-transcriptionally activated glycoprotein 1 receptor

Gene ID 7293

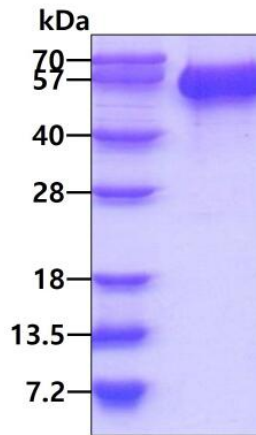
mRNA Refseq NM_003327

Protein Refseq NP_003318

MIM 600315

UniProt ID P43489

SDS-PAGE



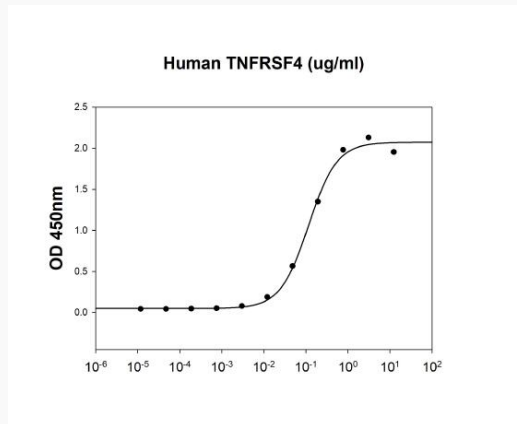
3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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Biological Activity



Mouse OX40 Ligand/TNFSF4 s coated at 1 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Human TNFRSF4. The ED50 range $\leq 0.15 \mu\text{g/mL}$.

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