Active Recombinant Human TNFRSF4, Fc-tagged, Biotinylated

Cat. No. TNFRSF4-659H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human OX40-Fc fusion is expressed as a 414 amino acid protein consisting of Leu29 - Ala214 region of OX40 (UniProt accession #P43489) and a C-terminal Fc from human IgG1, which exists as a dimer/tetramer under non-reducing conditions
Species	Human
Source	Human Cells
ProteinLength	29-214 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds to OX40 ligand and anti-OX40/CD134 monoclonal antibodies with high affinity by ELISA. Blocks OX40 Ligand-induced signaling activity.
Molecular Mass	Calculated molecular mass (kDa): 45.5; Estimated by SDS-PAGE under reducing condition (kDa): ~65
AA Sequence	LHCVGDTYPSNDRCCHECRPGNGMVSRCSRSQNTVCRPCGPGFYNDVVSSKPCK PCTWCNLRSGSERKQLCTAT QDTVCRCRAGTQPLDSYKPGVDCAPCPPGHFSPG DNQACKPWTNCTLAGKHTLQPASNSSDAICEDRDPPATQP QETQGPPARPITVQP TEAWPRTSQGPSTRPVEVPGGRASTGTHTCPPCPAPELLGGPSVFLFPPKPKDTLM ISR TPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTV

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	LHQDWLNGKEYKCKVSNKAL PAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVS LTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDG SFFLYSKLTVDKSRWQQ GNVFSCSVMHEALHNHYTQKSLSLSPGK
Endotoxin	<0.1 eu="" per="" 1="" µg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" lal="">
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.
Conjugation	Biotin

GENE INFORMATION

Gene Name	TNFRSF4 tumor necrosis factor receptor superfamily, member 4 [Homo sapiens]
Official Symbol	TNFRSF4
Synonyms	TNFRSF4; tumor necrosis factor receptor superfamily, member 4; TXGP1L; tumor necrosis factor receptor superfamily member 4; ACT35; CD134; OX40; OX40 antigen; ACT35 antigen; ATC35 antigen; CD134 antigen; OX40 homologue; OX40L receptor; OX40 cell surface antigen; lymphoid activation antigene ACT35; TAX transcriptionally-activated glycoprotein 1 receptor; tax-transcriptionally activated glycoprotein 1 receptor;
Gene ID	7293

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mRNA Refseq	NM_003327
Protein Refseq	NP_003318
MIM	600315
UniProt ID	P43489
Chromosome Location	1p36
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Downstream signaling in naive CD8+ T cells, organism-specific biosystem;
Function	binding; receptor activity; tumor necrosis factor-activated receptor activity;

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