

Active Recombinant Human TNFSF4, His-tagged

Cat. No. TNFSF4-272H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF4 /OX40L Protein (rh TNFSF4 / OX40L) Gln 51 - Leu 183 (Accession # NP_003317) was produced in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	51-183 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% Trehalose.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human OX40 Ligand, His Tag at 5 µg/mL (100 µl/well) can bind Human OX40, Fc Tag with a linear range of 0.2-5 ng/mL.
Molecular Mass	The SEC-HPLC analysis indicates that more than 90% OX40L protein is active trimeric form, which has a molecular mass of 75 kDa. Human OX40 Ligand, His Tag is fused with a polyhistidine tag at the N-terminus, and has a calculated MW of 16.9 kDa. The predicted N-terminus is His. The reducing (R) protein migrates as 25-30 kDa in SDS-PAGE due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	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.

GENE INFORMATION

Gene Name	TNFSF4 tumor necrosis factor (ligand) superfamily, member 4 [Homo sapiens]
Official Symbol	TNFSF4
Synonyms	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;
Gene ID	7292
mRNA Refseq	NM_003326
Protein Refseq	NP_003317
MIM	603594
UniProt ID	P23510

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**Chromosome
Location**

1q25

Pathway

Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;

Function

cytokine activity; receptor binding; tumor necrosis factor receptor binding; tumor necrosis factor receptor superfamily binding;

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