

Recombinant Human TNFSF8, His-tagged

Cat. No. TNFSF8-156H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TNFSF8, 63- 234aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	63- 234aa
Description	TNFSF8 is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF8/CD30, which is a cell surface antigen and a marker for Hodgkin lymphoma and related hematologic malignancies. The engagement of this cytokine expressed on B cell surface plays an inhibitory role in modulating Ig class switch. TNFSF8 was shown to enhance cell proliferation of some lymphoma cell lines, while to induce cell death and reduce cell proliferation of other lymphoma cell lines. The pleiotropic biologic activities of this cytokine on different CD30+ lymphoma cell lines may play a pathophysiologic role in Hodgkin's and some non-Hodgkin's lymphomas. Recombinant human TNFSF8 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Molecular Mass	22.0 kDa (195aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSQRTDSIP NSPDNVPLKG GNCSEDLLCI LKRAPFKKSW AYLQVAKHLN KTKLSWNKDG ILHGVRYQDG NLVIQFPGLY

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FIICQLQLV QCPNNSVDLK LELLINKHIK KQALVTVCES GMQTKHVVQN
LSQFLLDYLQ VNTTISVNVD TFQYIDTSTF PLENVLSIFL YSNSD

Purity >80% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name TNFSF8 tumor necrosis factor (ligand) superfamily, member 8 [Homo sapiens]

Official Symbol TNFSF8

Synonyms TNFSF8; tumor necrosis factor (ligand) superfamily, member 8; CD30LG; tumor necrosis factor ligand superfamily member 8; CD153; CD30-L; CD30 ligand; CD153 antigen; CD30 antigen ligand; CD30L; MGC138144;

Gene ID 944

mRNA Refseq NM_001244

Protein Refseq NP_001235

MIM 603875

UniProt ID P32971

Chromosome Location 9q33

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Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;
Function	cytokine activity; receptor binding; tumor necrosis factor receptor binding;

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