

Active Recombinant Human TNFSF8, His-tagged, Biotinylated

Cat. No. TNFSF8-569H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human CD30 ECD is expressed as a 368 amino acid protein consisting of Phe19 - Ser378 region of CD30 (UniProt accession #P28908) and a C-terminal His-tag. It contains 2 potential sites for N-linked glycosylation.
Species	Human
Source	Human Cells
ProteinLength	19-378 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 its ligand CD30L in a functional ELISA and anti-CD30 monoclonal antibodies with high affinity. Blocks CD30 Ligand-induced IL-6 secretion by human Hodgkin's lymphoma cells
Molecular Mass	Calculated molecular mass (kDa): 39.4; Estimated by SDS-PAGE under reducing condition (kDa): 70-80
AA Sequence	FPQDRPFEDTCHGNPSHYD KAVRRCCYRCPMGLFPTQQCPQRPTDCRKQCEPD YYLDEADRCTACVTCSRDDL VEKTPCAWNSSRVCECRPGMFCSTSAVNSCARCF HSVCPAGMIVKFPGTAQKNTVCEPASPGVSPACASPENC KEPSSGTIPQAKPTPVS PATSSASTMPVRGGTRLAQEAASKLTRAPDSPSSVGRPSSDPGLSPTQPCPEGSG DC RKQCEPDYYLDEAGRCTACVSCSRDDLVEKTPCAWNSSRTCECRPGMICATSA

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TNSCARCVYPICAAETVTKP QDMAEKDTTFEAPPLGTQPD CNPTPENGEAPASTS
PTQSLLVDSQASKTLPIPTSAPVALSSTGHHHHHHHHH

Endotoxin <0.1 eu per 1 µg of purified recombinant protein determined by the

Purity >90% 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 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

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MIM	603875
UniProt ID	P32971
Chromosome Location	9q33
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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