

Active Recombinant Human TNFSF8, Fc-tagged, Biotinylated

Cat. No. TNFSF8-570H Lot. No. (See product label)

SPECIFICATION

Product Overview	The recombinant human CD30-Fc fusion is expressed as a 585 amino acid protein consisting of Phe19 - Ser378 region of CD30 (UniProt accession #P28908) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
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): 63.6; Estimated by SDS-PAGE under reducing condition (kDa): 100-110
AA Sequence	FPQDRPFEDTCHGNPSHYD KAVRRCCYRCPMGLFPTQQCPQRPTDCRKQCEPD YYLDEADRCTACVTCSRDDL VEKTPCAWNSSRVCECRPGMFCSTSAVNSCARCF HSVCPAGMIVKFPGTAQKNTVCEPASPGVSPACASPENC KEPSSGTIPQAKPTPVS PATSSASTMPVRGGTRLAQEAASKLTRAPDSPSSVGRPSSDPGLSPTQPCPEGSG DC RKQCEPDYYLDEAGRCTACVSCSRDDLVEKTPCAWNSSRTCECRPGMICATSA

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TNSCARCVYPICAAETVTKP QDMAEKDTTFFAPPLGTQPDCNPTPENGEAPASTS
 PTQSLLVDSQASKTLPIPTSAPVALSSTGHTCPCPCAP ELLGGPSVFLFPPKPKDTL
 MISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVL
 TVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQ
 VSLTCLVKGFYPSDIAVE WESNGQPENNYKTTTPVLDSGDSFFLYSKLTVDKSRWQ
 QGNVFSCSVMHEALHNHYTQKSLSLSPGK

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

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 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](#)

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mRNA Refseq	NM_001244
Protein Refseq	NP_001235
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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