

Active Recombinant Human TNF superfamily member 8 protein, His tagged

Cat. No. TNFSF8-1595H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TNF superfamily member 8 protein (Gln63-Asp234) with N-His tag was expressed in Mouse myeloma cell line.
Species	Human
Source	Mouse myeloma cell
ProteinLength	63-234 aa
Description	The protein encoded by this gene 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. This cytokine 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. Two transcript variants encoding different isoforms have been found for this gene.
Tag	N-His
Bio-activity	Measured by its ability to stimulate IL-6 secretion by HDLM human Hodgkin's lymphoma cells. The ED50 for this effect is 8-48 ng/mL in the presence of 10

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	μg/mL of a cross-linking antibody, Mouse Anti-polyHistidine Monoclonal Antibody.
Molecular Mass	22 kDa
N-terminal Sequence Analysis	Met
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 95% by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
Reconstitution	Reconstitute at 100 μg/mL in sterile PBS.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Shipping	The product is shipped at ambient temperature.
References	<ol style="list-style-type: none"> 1. Brunangelo, F. et al. (1995) Blood 85:1. 2. Duckett, C.S. et al. (1997) Mol. Cell. Biol. 17:1535. 3. Chiarle, R. et al. (1999) J. Immunol. 163:194.

GENE INFORMATION

Gene Name TNFSF8 TNF superfamily member 8 [Homo sapiens (human)]

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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

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