

Recombinant Human TNFSF8 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. TNFSF8-015H Lot. No. (See product label)

SPECIFICATION

Product Overview TNFSF8 MS Standard C13 and N15-labeled recombinant protein (NP_001235) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species Human

Source HEK293

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.

Molecular Mass 26 kDa

AA Sequence MDPGLQQALNGMAPPGDTAMHVPAGSVASHLGTTSRSYFYLTATLALCLVFTVATI
MVLVVQRDTSIPNSPDNVPLKGGNCSEDLICILKRAPFKKSWAYLQVAKHLNKTCLS
WNKDGILHGVRYQDGNLVIQFPGLYFICQLQFLVQCPNNSVDLKLELLINKHIKKQAL

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VTVCESGMQTKHVYQNLSQFLLDYLQVNTTISVNVDTFQYIDTSTFPLENVLSIFLYS
NSDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol TNFSF8

Synonyms TNFSF8; TNF superfamily member 8; CD30L; CD30LG; CD153; TNLG3A; tumor necrosis factor ligand superfamily member 8; CD153 antigen; CD30 antigen ligand; CD30 ligand; CD30-L; tumor necrosis factor (ligand) superfamily, member 8; tumor necrosis factor ligand 3A; tumor necrosis factor superfamily member 8

Gene ID 944

mRNA Refseq NM_001244

Protein Refseq NP_001235

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MIM	603875
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UniProt ID	P32971
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