

Recombinant Human TNFSF14 Protein, His-tagged

Cat. No. TNFSF14-86H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNF Ligand Superfamily Member 14 is produced by our Mammalian expression system and the target gene encoding Leu83-Val240 is expressed with a 6His tag at the N-terminus.
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Species	Human
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Source	Human Cells
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ProteinLength	83-240 a.a.
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Description	Human TNFSF14 Protein, also known as LIGHT, belongs to a member of the tumor necrosis factor (TNF) ligand family. It can bind to NFRSF3/LTBR. It is a ligand for TNFRSF14, which is a member of the tumor necrosis factor receptor superfamily, and it is also known as a herpesvirus entry mediator ligand (HVEM). TNFSF14 encodes a protein with a 37 aa cytoplasmic domain, 21aa transmembrane domain and 182 aa extracellular region. The gene is predominantly expressed in the spleen and also found in the brain. Weakly expressed in peripheral lymphoid tissues and in heart, placenta, liver, lung, appendix, and kidney, and no expression seen in fetal tissues, endocrine glands, or nonhematopoietic tumor lines. TNFSF14 protein was found to probably function as a costimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. Studies have shown that this protein can prevent tumor necrosis factor alpha mediated apoptosis in primary hepatocyte. Two alternatively spliced transcript variant encoding distinct isoforms have been reported.
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Form	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
AA Sequence	Leu83-Val240
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).
Purity	>95%
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Statement	Purity: greater than 95% as determined by reducing SDS-PAGE.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

GENE INFORMATION

Gene Name	TNFSF14 TNF superfamily member 14 [Homo sapiens (human)]
Official Symbol	TNFSF14
Synonyms	Tumor necrosis factor ligand superfamily member 14; Herpes virus entry mediator ligand; TNFSF14; HVEM-L; LIGHT; LTg; CD258; HVEML

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Gene ID	8740
mRNA Refseq	NM_003807.5
Protein Refseq	NP_003798.2
MIM	604520
UniProt ID	O43557
SDS-PAGE	