

Product datasheet for **TP727871**

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human LIGHT (N-mFc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ile84-Val240
Tag:	N-mFc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
Note:	Recombinant Human TNF Ligand Superfamily Member 14 is produced by our Mammalian expression system and the target gene encoding Ile84-Val240 is expressed with a mFc tag at the N-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Synonyms:	Tumor necrosis factor ligand superfamily member 14; Herpes virus entry mediator ligand; TNFSF14; HVEM-L; LIGHT
Summary:	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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