

Product datasheet for PH317759

LIGHT (TNFSF14) (NM_003807) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TNFSF14 MS Standard C13 and N15-labeled recombinant protein (NP_003798)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217759
Predicted MW:	26.35 kDa
Protein Sequence:	>RC217759 representing NM_003807 Red=Cloning site Green=Tags(s) MEESVVRPSVFVVDGQTDIPFTRLGRSHRRQSCSVARVGLGLLLLLMGAGLAVQGWFLQLHWRLGEMVT RLPDGPAGSWEQLIQERRSHEVNPAAHLTGANSSLTGSGGPLLWETQLGLAFLRGLSYHDGALVVTKAGY YYIYSKVQLGGVGCPLGLASTITHGLYKRTPRYPEEELLLVSQQSPCGRATSSSRVWWDSSFLGGVVHLE AGEKVVVRVLDERLVRDRGTRS YFGAFMV TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003798
RefSeq Size:	1491
RefSeq ORF:	720
Synonyms:	CD258; HVEML; LIGHT; LTg
Locus ID:	8740
UniProt ID:	O43557



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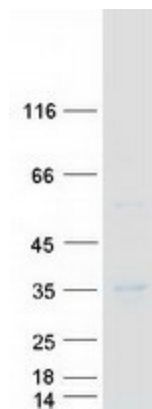
Cytogenetics: 19p13.3

Summary: The protein encoded by this gene is a member of the tumor necrosis factor (TNF) ligand family. This protein is a ligand for TNFRSF14, which is a member of the tumor necrosis factor receptor superfamily, and which is also known as a herpesvirus entry mediator (HVEM). This protein may function as a costimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. This protein has been shown to stimulate the proliferation of T cells, and trigger apoptosis of various tumor cells. This protein is also reported to prevent tumor necrosis factor alpha mediated apoptosis in primary hepatocyte. Two alternatively spliced transcript variant encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

Product images:



Coomassie blue staining of purified TNFSF14 protein (Cat# [TP317759]). The protein was produced from HEK293T cells transfected with TNFSF14 cDNA clone (Cat# [RC217759]) using MegaTran 2.0 (Cat# [TT210002]).