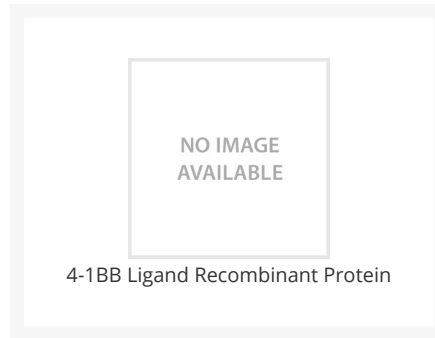




4-1BB Ligand Recombinant Protein

Cat. No.: 40-303



Ψ Specifications

SPECIES:	Human
SOURCE SPECIES:	E. coli
SEQUENCE:	MREGPELSPD DPAGLLDLRQ GMFAQLVAQN VLLIDGPLSW YSDPGLAGVS LTGGLSYKED TKELVAKAG VYYVFFQLEL RRVAGEGSG SVSLALHLQP LRSAAGAAAL ALTVDLPPAS SEARNSAFGF QGRLLHLSAG QRLGVHLHTE ARARHAWQLT QGATVLGLFR VTPEIPAGLP SPRSE

Ψ Properties

PURITY:	Greater than 98% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg).
PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	The lyophilized 4-1BB Ligand recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted 4-1BB Ligand is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C. As with any protein, exposing 4-1BB Ligand recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

OFFICIAL SYMBOL:	TNFSF9
ALTERNATE NAMES:	CD137L, 4-1BB-L, Tumor necrosis factor ligand superfamily member 9, 4-1BB ligand, 4-1BBL
ACCESSION NO.:	NP_003802.1
PROTEIN GI NO.:	4507609
GENE ID:	8744

Background and References

BACKGROUND:	4-1BBL, a member of the TNF superfamily, is expressed in B cells, dendritic cells, activated T cells and macrophages. 4-1BBL binds to its receptor 4-1BB, and provides a co-stimulatory signal for T cell activation and expansion. The human 4-1BBL gene codes for a 254 amino acid type II transmembrane containing a 28 amino acid cytoplasmic domain, a 21 amino acid transmembrane domain, and a 205 amino acid extracellular domain. The soluble form of 4-1BBL contains the TNF-like portion of the extracellular domain of 4-1BBL. Recombinant human 4-1BBL is a soluble 19.5 kDa protein consisting of 185 amino acid residues.
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