

Recombinant Human TNFSF9, His-tagged

Cat. No. TNFSF9-131H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human 4-1BB ligand, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography, 23.8 kDa (222aa).
Species	Human
Source	E.coli
Description	4-1BB ligand is a type 2 transmembrane glycoprotein belonging to the TNF superfamily. 4-1BBL is expressed by activated B cells, macrophages, dendritic cells, activated T cells, neurons and astrocytes. The interaction of 4-1BB with 4-1BBL strongly regulates immunity and has been proposed to preferentially control T cell responses based on studies in various murine models of cancer, infectious disease and autoimmune disease.
Sequences of amino acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMRE GPELSPDDPA GLLDLRQGMF AQLVAQNVLL IDGPLSWYSD PGLAGVSLTG GLSYKEDTKE LVVAKAGVYY VFFQLELRRV VAGEGSGSVS LALHLQPLRS AAGAAALALT VDLPPASSEA RNSAFGFQGR LLHLSAGQRL GVHLHTEARA RHAWQLTQGA TVLGLFRVTP EIPAGLPSPR SE
Purity	> 95% by SDS - PAGE
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl, 20% glycerol
Concentration	1 mg/ml (determined by Bradford assay)

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Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name TNFSF9 tumor necrosis factor (ligand) superfamily, member 9 [Homo sapiens]

Synonyms TNFSF9; tumor necrosis factor (ligand) superfamily, member 9; CD137L; 4-1BB-L; TNFSF9;tumor necrosis factor (ligand) superfamily, member 9;receptor 4-1BB ligand; homolog of mouse 4-1BB-L; 4-1BBL; 4-1BB ligand; receptor 4-1BB ligand.

Gene ID [8744](#)

mRNA Refseq [NM_003811](#)

Protein Refseq [NP_003802](#)

MIM [606182](#)

UniProt ID [P41273](#)

Chromosome Location 19p13.3

Pathway Cytokine-cytokine receptor interaction

Function cytokine activity; tumor necrosis factor receptor binding

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