

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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