

AR09189PU-L**Recombinant human 4-1 BBL /CD137 / TNFRSF9 (aa 71-254), His-tagged**

Alternate names:	4-1BB ligand, CD137L, Tumor necrosis factor ligand superfamily member 9
Quantity:	0.5 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P41273
NCBI:	NP_003802
GeneID:	8744
Species:	Human
Source:	E. coli
Format:	State: Liquid purified IgG Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 100 mM NaCl, 20% glycerol
Description:	Recombinant human 4-1BB ligand, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: <u>MRGSHHHHHH</u> GMASMTGGOO MGRDLYDDDD KDRWGSHMRE GPELSPDDPA GLLDLRQGMF AQLVAQNVLL IDGPLSWYSD PLAGVSLTG GLSYKEDTKE LVVAKAGVYY VFFQLELRRV VAGEGSGSVS LALHLQPLRS AAGAAALALT VDLPPASSEA RNSAFGFQGR LLHLSAGQRL GVHLHTEARA RHAWQLTQGA TVLGLFRVTP EIPAGLPSR SE Molecular weight: 23.8 kDa (222aa)
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Lee SW., et al. (2008). Nat Immunol. 9(8):917-26. Sharma RK., et al. (2009). Cancer Res. 69(10):4319-26.

Pictures:

4-1BB ligand , 71-254 aa human, His-tagged, recombinant: 15% SDS-PAGE (3 μ g)

