

Product information



4-1BB ligand , 71-254aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0308

Synonyms: Tumor necrosis factor ligand superfamily member 9(TNFSF9), 4-1BBL, CD137L

NCBI Accession No.: NP_003802

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. Recombinant human 4-1BB ligand, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

<p>Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl, 20% glycerol</p> <p>Molecular Weight: 23.8 kDa (222aa)</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p>	<p>(kDa)</p> <p>40</p> <p>28</p> <p>18</p> <p>13.5</p> <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMRE GPELSPDDPA GLLDLRQGMF AQLVAQNVLL IDGPLSWYSD PGLAGVSLTG GLSYKEDTKE LVVAKAGVYY VFFQLELRRV VAGEGSGSVS LALHLQPLRS AAGAAALALT VDLPPASSEA RNSAFGFQGR LLHLSAGQRL GVHLHTEARA RHAWQLTQGA TVLGLFRVTP EIPAGLPSR SE</p>	

General references:

Lee SW., *et al.* (2008). *Nat Immunol.* **9**(8):917-26

Sharma RK., *et al.* (2009). *Cancer Res.* **69**(10):4319-26

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



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.

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