

**4-1BBL (4-1BB ligand), Mouse**

v. 231101

<b>Catalog number</b>	C02057-5UG / C02057-20UG / C02057-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	4-1BB Ligand Human Recombinant protein. 4-1BBL is a transmembrane cytokine that is part of the tumor necrosis factor (TNF) ligand family. Recombinant human 4-1BB ligand is intended for use in cell culture applications. 4-1BBL and its interaction with 4-1BB is involved in the antigen presenting process, proliferation of CD4 and CD8 positive T-cells, as well as cytokine secretion from T-cells.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	MRTEPRPALTTTSPNLGTRENNADQVTPVSHIGCPNTTQQGSPVFAKLLAKNQ ASLCNTTLNWHSQDGAGSSYLSQGLRYEEDKKELVVDSPGLYYVFLELKLSP FTNTGHKVQGWVSLVLQAKPQVDDFDNLALVELFPCSMENKLVDRSWSQLL LLKAGHRLSVGLRAYLHGAQDAYRDWELSYPNNTTSFGLFLVKPDNPWE with polyhistidine tag at the C-terminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to induce IL-2 secretion in mouse T cells in the presence of the anti-CD3 antibody. The ED <sub>50</sub> for this effect is <0.05 µg/mL.
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Stability &amp; Storage</b>	This product is stable after storage at: <ul style="list-style-type: none"> <li>-20°C for 12 months in lyophilized state from date of receipt.</li> <li>-20°C or -80°C for 1 month under sterile conditions after reconstitution.</li> </ul> Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant mouse 4-1BBL

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