

Product Name: Recombinant Mouse 4-1BBL (N-10His)
Catalog #: PHM1673

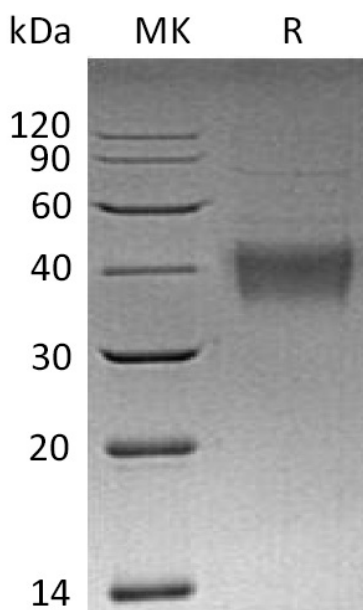


Summary

Name	4-1BB Ligand/4-1BBL/CD137L/TNFSF9
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse 4-1BB Ligand is produced by our Mammalian expression system and the target gene encoding Arg104-Glu309 is expressed with a 10His tag at the N-terminus.
Accession #	P41274
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	25.6 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Tumor necrosis factor ligand superfamily member 9; 4-1BB ligand; 4-1BBL; Tnfsf9; Cd137l; Cd157l; Ly63l

Background

Tumor necrosis factor ligand superfamily member 9, also known as 4-1BBL, is a member of the the tumor necrosis factor family. Mouse 4-1BBL cDNA encodes a 309 amino acid residues (aa) protein with an 82 aa N-terminal cytoplasmic domain, a 21 aa transmembrane domain and a 206 aa C-terminal extracellular domain. The extracellular domain of 4-1BBL has a tertiary structure similar to that of other TNFSF members, but shares only low aa sequence homology (14-16%). 4-1BBL is predominantly expressed on activated antigen presenting cells (APCs) such as B cells, macrophages and dendritic cells (DCs). It is also expressed on most T and B lymphoma cell lines. TNFSF9 has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytokine has also been shown to be required for the optimal CD8 responses in CD8 T cells, and is thought to be involved in T cell-tumor cell interaction.

Note

For Research Use Only , Not for Diagnostic Use.