

Datasheet for ABIN7320663
TNFSF9 Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	TNFSF9
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFSF9 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse TNFSF9 Protein (His Tag) (Active)
Sequence:	Arg104-Glu309
Characteristics:	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.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Mouse 4-1BBL-His at 2µg/ml(100 µl/well) can bind Human 4-1BB-Fc(Cat: PKSH032026).

Target Details

Target:	TNFSF9
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Target Details

Alternative Name: TNFSF9 ([TNFSF9 Products](#))

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.

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

Molecular Weight: 25.6 kDa

UniProt: [P41274](#)

Pathways: [Activated T Cell Proliferation](#), [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

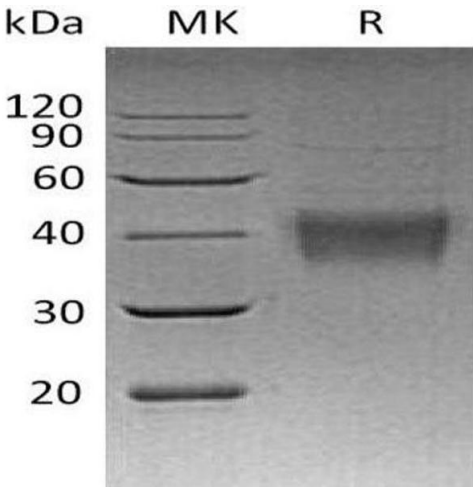
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.