

Recombinant Human TNFSF9 Protein, His-tagged

Cat. No. TNFSF9-70H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human 4-1BB Ligand is produced by our E.coli expression system and the target gene encoding Arg71-Glu254 is expressed with a 6His tag at the C-terminus.
Species	Human
Source	E.coli
ProteinLength	71-254 a.a.
Description	Tumor necrosis factor ligand superfamily member 9, also known as 4-1BBL, is a member of the the tumor necrosis factor family. It is a 254 amino acids cytokine that is expressed in brain, placenta, lung, skeletal muscle and kidney. 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.
Form	Lyophilized from a 0.2 um filtered solution of 20mM PB150mM NaCl, pH7.4.
Molecular Mass	Predicted Molecular Weight: 20.6KDa Apparent Molecular Weight: 16-20kDa, reducing conditions.
AA Sequence	Arg71-Glu254
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).

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Purity	>95%
Storage	<p>Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.</p> <p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p>
Reconstitution	<p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Statement	Purity: >95% as determined by reducing SDS-PAGE.
Shipping	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>

GENE INFORMATION

Gene Name	TNFSF9 TNF superfamily member 9 [Homo sapiens (human)]
Official Symbol	TNFSF9
Synonyms	Tumor necrosis factor ligand superfamily member 9; 4-1BB ligand; 4-1BBL; CD137L; TNLG5A
Gene ID	8744
mRNA Refseq	NM_003811.4
Protein Refseq	NP_003802.1

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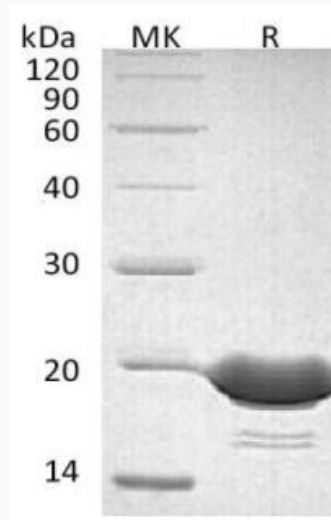
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MIM 606182

UniProt ID P41273

SDS-PAGE



R. Reducing sample NR. Non-reducing sample

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