

Recombinant Human TNFSF9 Protein, Fc-tagged

Cat. No. TNFSF9-89H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human 4-1BB Ligand is produced by our Mammalian expression system and the target gene encoding Arg71-Glu254 is expressed with a Fc tag at the N-terminus.
Species	Human
Source	Human Cells
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 PBS, pH7.4.
Molecular Mass	Predicted Molecular Weight: 46.1kDa Apparent Molecular Weight: 50-55kDa, 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.</p> <p>Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.</p>
Quality Statement	Purity: Greater than 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

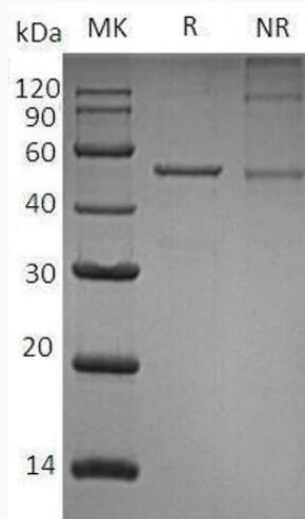
Gene Name	TNFSF9 TNF superfamily member 9 [Homo sapiens (human)]
Official Symbol	TNFSF9
Synonyms	Tumor necrosis factor ligand superfamily member 9; 4-1BB ligand; 4-1BBL; CD137L; TNLG5A; 4-1BB-L
Gene ID	8744
mRNA Refseq	NM_003811.4
Protein Refseq	NP_003802.1
MIM	606182
UniProt ID	P41273

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SDS-PAGE



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