

Recombinant Human 4-1BBL (N-Fc)

Catalog No: CS18

Description	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.
Source	Human Cells
Alternative name	Tumor necrosis factor ligand superfamily member 9; 4-1BB ligand; 4-1BBL; TNFSF9
Accession No.	P41273
Predicted Molecular Weight	46.1kDa
AP Molecular Weight	50-55kDa, reducing conditions.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Background	Tumor necrosis factor ligand superfamily member 9(4-1BBL) is single-pass type II membrane protein which is a member of the the tumor necrosis factor family. 4-1BBL 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 may have a role in activation-induced cell death (AICD) and cognate interactions between T-cells and B-cells/macrophages. It 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.

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