

# Human 4-1BB Ligand/TNFSF9 Trimer Protein

## HA210151



<b>Product name:</b>	Human 4-1BB Ligand/TNFSF9 Trimer Protein
<b>Species reactivity:</b>	Human
<b>Protein construction description:</b>	Recombinant Human 4-1BB Ligand/TNFSF9 Trimer Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Arg71-Glu254.[Accession   P41273]
<b>Background:</b>	The 4-1BBL is the high affinity ligand of 4-1BB, also known as CD137L or TNFSF9. 4-1BB ligand (4-1BBL) is an inducible molecule present on several APC types, including B cells, macrophages and DCs.4-1BB:4-1BBL pathway seems to amplify the existing costimulatory signals, even if the engagement of 4-1BB in the presence of a strong TCR signaling can induce IL-2 production in a CD28-independent manner.
<b>Purity:</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC
<b>Endotoxin:</b>	Less than 1EU per µg by the LAL method.
<b>Source:</b>	HEK293
<b>Accession:</b>	P41273
<b>Predicted molecular mass:</b>	The protein has a predicted MW of 61.8 kDa same as Tris-Bis PAGE result.
<b>Formulation:</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution:</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage:</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

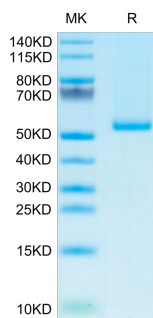
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Orders:0086-571-88062880

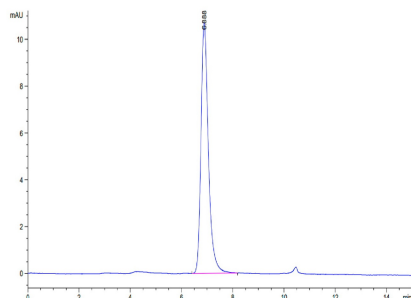
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Service mail:support@huabio.cn

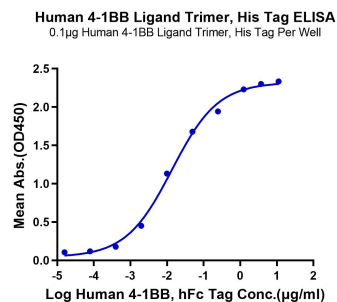
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**Fig1:** Human 4-1BB Ligand Trimer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



**Fig2:** The purity of Human 4-1BB Ligand Trimer is greater than 95% as determined by SEC-HPLC.



**Fig3:** Immobilized Human 4-1BB Ligand Trimer, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human 4-1BB, hFc Tag with the EC50 of 13.7ng/ml determined by ELISA.

**Note:** All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.