

Human 4-1BB CDR234 Protein

Cat. No. BB4-HM224



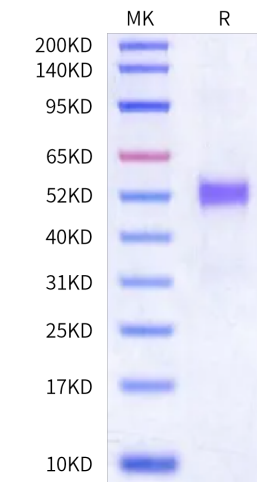
Description	
Source	Recombinant Human 4-1BB CDR234 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-Terminus. It contains Pro47-Gly159.
Accession	Q07011-1
Molecular Weight	The protein has a predicted MW of 38.9 kDa. Due to glycosylation, the protein migrates to 48-58 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
4-1BB, is also known as CD137, is a type 2 transmembrane glycoprotein receptor belonging to the TNF superfamily. CD137 can be expressed by activated T cells, but to a larger extent on CD8 than on CD4 T cells. In addition, CD137 expression is found on dendritic cells, B cells, follicular dendritic cells, natural killer cells, granulocytes and cells of blood vessel walls at sites of inflammation.	

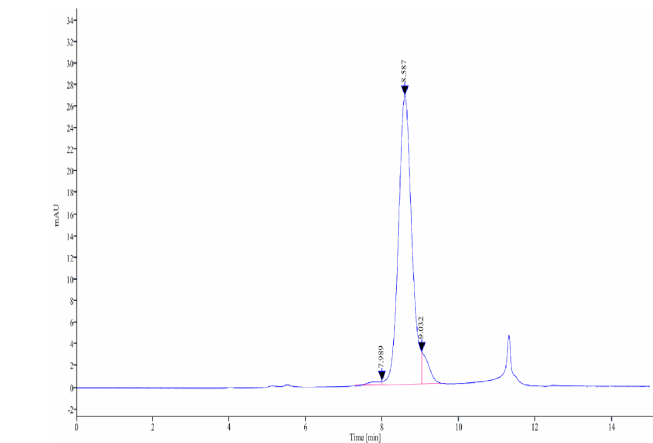
Assay Data

Bis-Tris PAGE



Human 4-1BB CDR234 on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

SEC-HPLC



The purity of Human 4-1BB CDR234 is greater than 90% as determined by SEC-HPLC.