Human B7-H5/Gi24/VISTA Protein

Cat. No. BH7-HM175

Description

Source	Recombinant Human B7-H5/Gi24/VISTA Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Phe33-Ala194.
Accession	Q9H7M9
Molecular Weight	The protein has a predicted MW of 19 kDa. Due to glycosylation, the protein migrates to 32-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

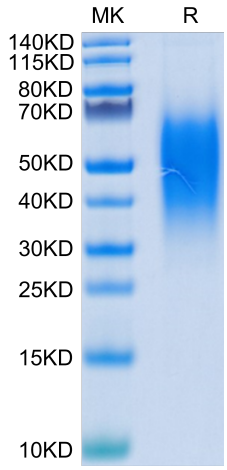
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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

B7-H5, also known as VISTA , B7H5, Dies1, SISP1 and C10orf54, is a 55-65 kDa member of the Ig superfamily. It is a transmembrane molecule expressed in bone, on embryonic stem cells (ESCs), and on tumor cell surfaces.

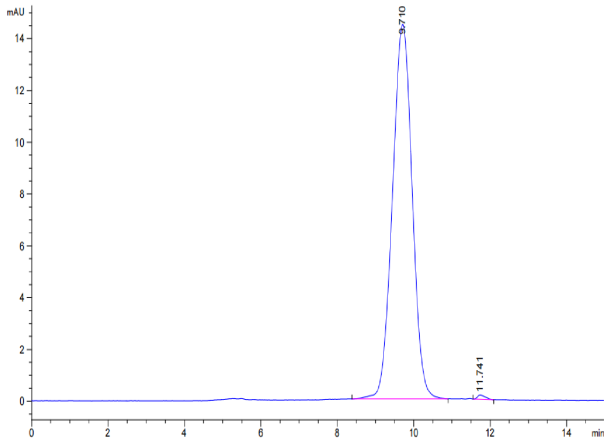
Assay Data

Bis-Tris PAGE



Human B7-H5 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human B7-H5 is greater than 95% as determined by SEC-HPLC.

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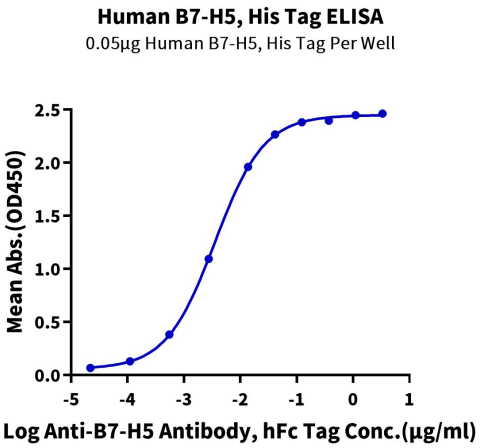
Assay Data

ELISA Data



Immobilized Human B7-H5, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-B7-H5 Antibody, hFc Tag with the EC50 of 3.6ng/ml determined by ELISA.