

Biotinylated Human B7-H5/Gi24/VISTA Protein

Cat. No. BH7-HM475B

Description

Source	Recombinant Biotinylated Human B7-H5/Gi24/VISTA Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Phe33-Ala194.
Accession	Q9H7M9
Molecular Weight	The protein has a predicted MW of 21.04 kDa. Due to glycosylation, the protein migrates to 40-60 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

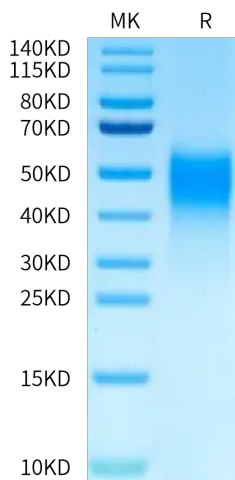
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 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.

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.

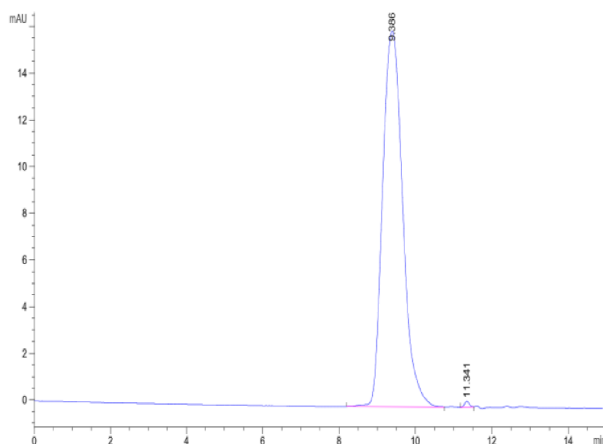
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



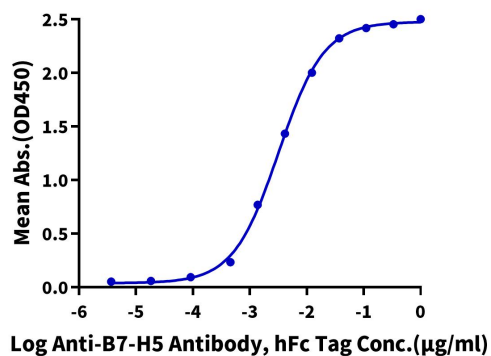
The purity of Biotinylated Human B7-H5 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Biotinylated Human B7-H5, His Tag ELISA

0.1µg Biotinylated Human B7-H5, His Tag Per Well



Immobilized Biotinylated Human B7-H5, His Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-B7-H5 Antibody, hFc Tag with the EC50 of 3.2ng/ml determined by ELISA.