

VISTA Protein, Human, Recombinant (hFc)

General Information

Synonyms:	PP2135;SISP1;VISTA;Gi24;B7H5;4632428N05Rik;Dies1;PD1H;VSIR;B7-H5;C10orf54;PD-1H
Protein Construction:	Phe33-Ala194
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q9H7M9
Molecular Weight:	44.9 kDa (predicted). Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	<ol style="list-style-type: none"> 1. Immobilized Human B7-H5, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-B7-H5 Antibody, hFc Tag with the EC50 of 8.0ng/ml determined by ELISA (QC Test). 2. Human B7-H5, hFc Tag captured on CM5 Chip via Protein A can bind Human IGSF11, His Tag with an affinity constant of 14.44 µM as determined in SPR assay.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1 EU/µg by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS (pH 7.4). Typically, 8% trehalose is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.
Shipping:	In general, Lyophilized powders are shipping with blue ice.

Protein 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.

Reference

Byers J T, et al. Expression of the Novel Costimulatory Molecule B7-H5 in Pancreatic Cancer[J]. Annals of Surgical Oncology, 2014.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481