

Recombinant Mouse B7-H5/Gi24/VISTA Protein

Catalog No.: RP01328 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	74048	Q9D659

Tags

C-His

Synonyms

B7-H5;Gi24;VISTA;SISP1;VISTA

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
18.59 kDa	35-45 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

VSIR, V-Set Immunoregulatory Receptor, also known as VISTA, is an immunoregulatory receptor that inhibits the T-cell response. It may promote differentiation of embryonic stem cells, by inhibiting BMP4 signaling. VSIR, or V-set immunoregulatory receptor, could be involved in the pathogenesis of chronic rhinosinusitis with nasal polyps. V-domain Immunoglobulin Suppressor of T cell Activation (VISTA) is an inhibitory immune-checkpoint molecule that suppresses CD4+ and CD8+ T cell activation when expressed on antigen-presenting cells. VSIR is broadly expressed in the spleen, bone marrow, and other tissues. Diseases associated with VSIR include Ichthyosis, Congenital, Autosomal Recessive 6, and Monckeberg Arteriosclerosis.

Basic Information

Description

Recombinant Mouse B7-H5/Gi24/VISTA Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Phe33 - Ala191) of Mouse VISTA (Accession #NP_083008.1) fused with an 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Mouse B7-H5/VISTA (Catalog: RP01328) at 0.5 μg/mL (100 μL/well) can bind B7-H5/VISTA Rabbit pAb with a linear range of 0.01-2.6 ng/mL.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

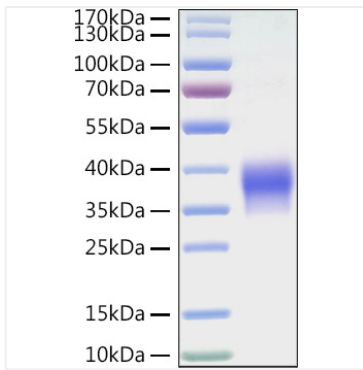
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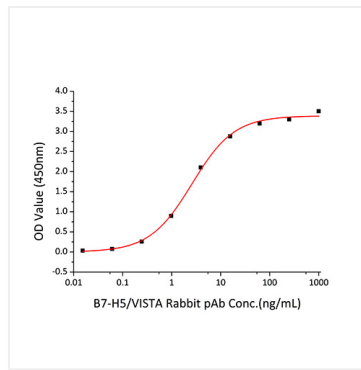
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Validation Data



Recombinant Mouse B7-H5/Gi24/VISTA Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-45kDa.



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