

Recombinant Mouse B7-H5/Gi24/VISTA Protein

Catalog No.: RP01328

Sequence Information

Species **Gene ID**
Mouse 74048

Swiss Prot **Tags**
Q9D659 C-His

Synonyms

B7-H5, Gi24, VISTA, SISP1, VISTA

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined 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.

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.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

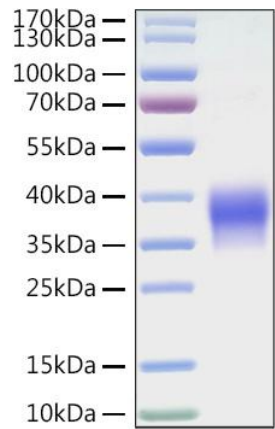
Contact

☎ | 400-999-6126

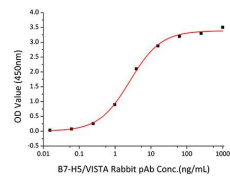
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Validation Data



Recombinant Mouse B7-H5/Gi24/VISTA Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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