

## Recombinant Human B7-H5/Gi24/VISTA (hFc Tag)

### 产品信息

产品名称	产品编号	规格
Recombinant Human B7-H5/Gi24/VISTA (hFc Tag)	93574ES25	25 µg
	93574ES60	100 µg
	93574ES76	500 µg
	93574ES80	1 mg

### 产品描述

VISTA (V-domain immunoglobulin suppressor of T cell activation) is an immune checkpoint receptor expressed primarily on the surface of hematopoietic cells. Specifically, VISTA is expressed on naïve CD4<sup>+</sup> T cells and regulatory T cells. And it is up regulated in vivo on activated monocytes and dendritic cells. VISTA inhibits CD4<sup>+</sup> and CD8<sup>+</sup> T cell proliferation, and their production of the proinflammatory cytokines IL 2 and IFN gamma. VISTA protein is also observed on the surface of cancer cells and attenuates the anti tumor immune response enabling tumor progression. In the autoimmune disease model EAE, VISTA limits disease progression by downregulating the overactive immune system. VISTA, also known as B7-H5, PD-1H, Platelet receptor Gi24, Dies1, and SISP1, is a 55 65 kDa transmembrane glycoprotein with homology to B7 like immune co stimulatory molecules. The mature human VISTA protein contains a 162 amino acid extracellular domain (ECD) with one V type Ig like domain, a 21 aa transmembrane segment, and a 96 aa cytoplasmic domain.

### 产品性质

别名	B7H5; B7-H5; VISTA; VSIR ; PD1H; PD-1H; 4632428N05Rik; C10orf54; Dies1; Gi24; PP2135; SISP1
Uniprot No.	Q9H7M9
表达区间及表达系统	Recombinant Human B7-H5/Gi24/VISTA Protein is expressed from HEK293 Cells with hFc tag at the C-terminal. It contains Phe33-Ala194.
分子量	Approximately 44.9 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	<b>ELISA Data:</b> 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. <b>SPR Data:</b> 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 (Biacore T200).
内毒素	< 1.0 EU per 1µg of the protein by the LAL method.
制剂	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
复溶	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

## 运输与保存方法

冰袋运输。-20°C至-80°C保存，一年有效期。

复溶后，-20 至 -80°C，在未开封状态下保存 3-6 个月。复溶后，2-8°C 保存 2-7 天。

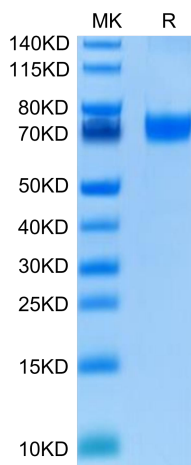
建议第一次使用时分装冻存，避免反复冻融。

## 注意事项

1. 避免反复冻融。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
3. 本产品仅作科研用途！

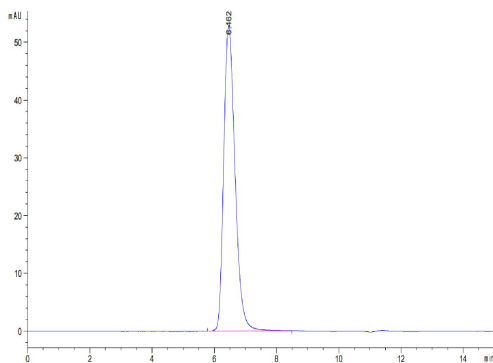
## 产品数据

### Tris-Bis PAGE



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

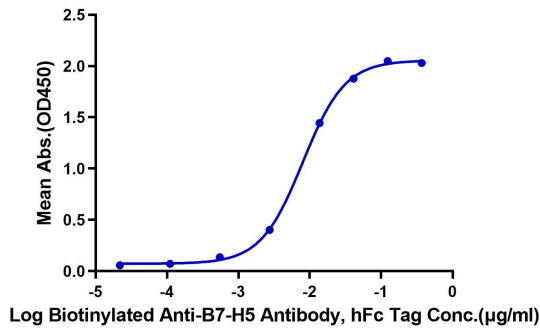
### SEC-HPLC



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

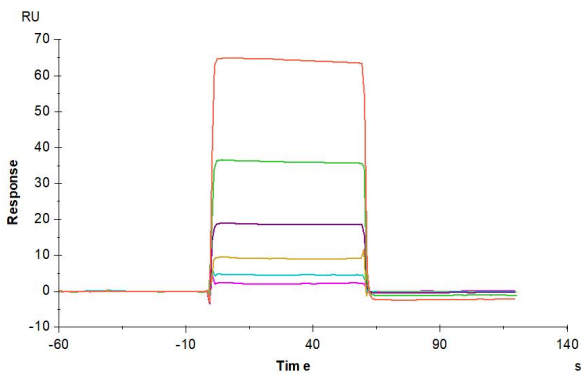
## ELISA Data

**Human B7-H5, hFc Tag ELISA**  
0.05 $\mu$ g Human B7-H5, hFc Tag Per Well



Immobilized Human B7-H5, hFc Tag at 0.5 $\mu$ g/ml (100 $\mu$ l/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.

## SPR Data



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  $\mu$ M as determined in SPR assay (Biacore T200).