

## Recombinant Human VSIR protein, Avi & His-tagged, Biotinylated

**Cat. No.** VSIR-1289H    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**      Biotinylated Human B7-H5 is expressed from human 293 cells (HEK293). It contains AA Phe 33 - Ala 194 (Accession # AAH20568.1). Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.

**Species**      Human

**Source**      HEK293

**ProteinLength**      Phe 33 - Ala 194

**Description**      Platelet receptor Gi24, also known as B7-H5 and stress-induced secreted protein-1 (Sisp-1), is a protein that in humans is encoded by the C10orf54 gene, which contains 1 Ig-like (immunoglobulin-like) domain. As for C10orf54 gene, C10orf54 appears to positively interact with BMP-4, potentiating BMP signaling and the transition from an undifferentiated to a differentiated state on ESCs. Human C10orf54 undergoes proteolytic cleavage by MT1-MMP, generating a soluble 30 kDa extracellular fragment plus a 25-30 kDa membrane-bound fragment.

**Predicted N Terminal**      Phe 33

**Form**      Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.

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<b>Molecular Mass</b>	The protein has a calculated MW of 20.8 kDa. As a result of glycosylation, the protein migrates as 35-45 kDa under reducing (R) condition, and 35-45 kDa under non-reducing (NR) condition (SDS-PAGE).
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	VSIR V-set immunoregulatory receptor [ Homo sapiens (human) ]
<b>Official Symbol</b>	VSIR
<b>Synonyms</b>	B7H5; GI24; B7-H5; PD-1H; SISP1; VISTA; PP2135; C10orf54; DD1alpha; Death Domain1alpha; PDCD1 homolog; V-domain Ig suppressor of T cell activation; V-set domain-containing immunoregulatory receptor; platelet receptor GI24; sisp-1; stress-induced secreted protein-1; V-type immunoglobulin domain-containing suppressor of T-cell activation

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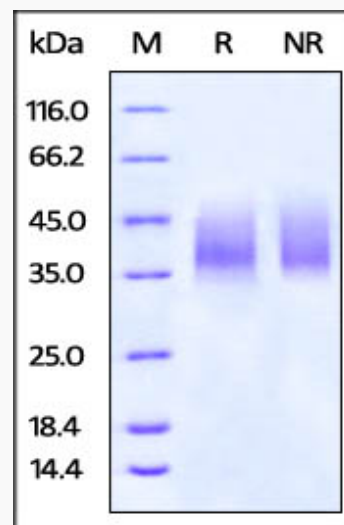
Gene ID 64115

mRNA Refseq NM\_022153.1

Protein Refseq NP\_071436.1

UniProt ID Q9H7M9

SDS-PAGE



Biotinylated Human B7-H5 on SDS-PAGE under reducing (R) and no-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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