

Recombinant Human VSIR protein, Avi & Fc-tagged, Biotinylated

Cat. No. VSIR-1288H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Biotinylated Human B7-H5 Protein, Fc Tag 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 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.

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Molecular Mass	The protein has a calculated MW of 47.1 kDa. The protein migrates as 55-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	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
Reconstitution	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.
Conjugation	Biotin

GENE INFORMATION

Gene Name	VSIR V-set immunoregulatory receptor [Homo sapiens (human)]
Official Symbol	VSIR
Synonyms	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

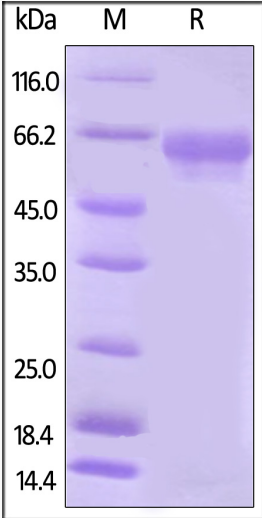
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Gene ID	64115
mRNA Refseq	NM_022153.1
Protein Refseq	NP_071436.1
UniProt ID	Q9H7M9

SDS-PAGE



Biotinylated Human B7-H5 Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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