

Active Recombinant Human VSIR Protein, Mouse IgG2a Fc Tagged, Low endotoxin

Cat. No. VSIR-11242H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human B7-H5 Protein, Mouse IgG2a Fc Tag is expressed from human 293 cells (HEK293). It contains AA Phe 33-Ala 194 (Accession # AAH20568.1). This protein carries a mouse IgG2a Fc tag at the C-terminus. Predicted N-terminus: Phe 33
Species	Human
Source	HEK293
ProteinLength	33-194 aa
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.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Biotinylated Human VSIG3, Fc, Avi tag at 5 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate, can bind Human B7-H5 Protein, Mouse

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	IgG2a Fc Tag with a linear range of 0.039-0.625 µg/mL.
Molecular Mass	The protein has a calculated MW of 45.0 kDa. The protein migrates as 55-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.01 EU/µg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	VSIR V-set immunoregulatory receptor [Homo sapiens (human)]
Official Symbol	VSIR
Synonyms	VSIR; V-set immunoregulatory receptor; B7H5; GI24; B7-H5; Dies1; PD-1H; SISP1; VISTA; PP2135; C10orf54; DD1alpha; V-type immunoglobulin domain-containing suppressor of T-cell activation; 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
Gene ID	64115

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mRNA Refseq	NM_022153
Protein Refseq	NP_071436
MIM	615608
UniProt ID	Q9H7M9

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