

Recombinant Human VSIR Protein, Avi/His-tagged

Cat. No. VSIR-21H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VSIR(Phe 33 - Ala 194) fused with Avi/His tag at the C-terminus was produced in HEK293.
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. Normally trehalose is added as protectant before lyophilization.
Molecular Mass	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).

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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 centigrade or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.

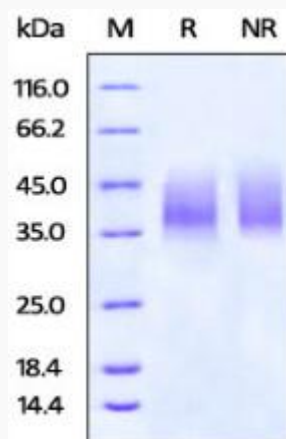
GENE INFORMATION

Gene Name	VSIR V-set immunoregulatory receptor [Homo sapiens]
Official Symbol	VSIR
Synonyms	B7H5; GI24; B7-H5; PD-1H; SISP1; VISTA; PP2135; C10orf54; DD1alpha; V-domain Ig suppressor of T cell activation; V-set domain-containing immunoregulatory receptor; platelet receptor GI24; sisp-1
Gene ID	64115
mRNA Refseq	NM_022153
Protein Refseq	NP_071436
MIM	615608
UniProt ID	Q9H7M9

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