

## Recombinant Rhesus macaque VSIR protein, His-tagged

Cat. No. VSIR-363R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Rhesus macaque B7-H5, His tag is expressed from human 293 cells (HEK293). It contains AA Phe 33 - Thr 192 (Accession # NP_001177807.1).
<b>Species</b>	Rhesus macaque
<b>Source</b>	HEK293
<b>ProteinLength</b>	Phe 33 - Thr 192
<b>Description</b>	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.
<b>Predicted N Terminal</b>	Phe 33
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 19.9 kDa. The protein migrates as 35-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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<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>Storage buffer</b>	PBS, pH7.4
<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>Shipping</b>	Powder,RT

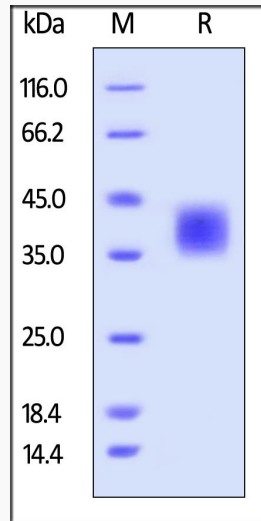
## GENE INFORMATION

<b>Gene Name</b>	VSIR V-set immunoregulatory receptor [ <i>Macaca mulatta</i> (Rhesus monkey) ]
<b>Official Symbol</b>	VSIR
<b>Synonyms</b>	C9orf54; C9H10orf54; platelet receptor Gi24
<b>Gene ID</b>	709595
<b>mRNA Refseq</b>	NM_001190878.1
<b>Protein Refseq</b>	NP_001177807.1
<b>UniProt ID</b>	F7F6S6

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**SDS-PAGE**

Rhesus macaque B7-H5, His 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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