Recombinant Rhesus macaque B7H5 protein, His-tagged

Cat. No. B7H5-346H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus macaque B7H5 protein (Phe33-Thr192), fused to His tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Rhesus macaque
Source	HEK293
ProteinLength	160
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 um filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	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.
Endotoxin	Less than 1.0 EU per ug by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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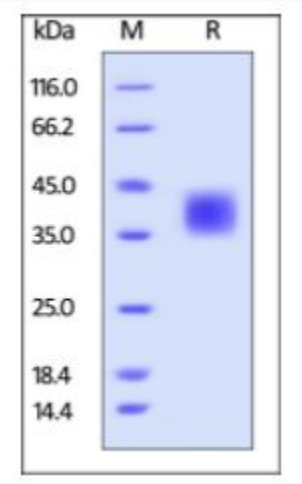
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile 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℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	VSIR
Official Symbol	VSIR
Synonyms	C9orf54; C9H10orf54; B7-H5; SISP1; Gi24; VISTA
Gene ID	709595
mRNA Refseq	NM_001190878.1
Protein Refseq	NP_001177807.1
UniProt ID	F7F6S6

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SDS-PAGE of B7H5-346H



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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