

Recombinant Human VSIG4 Protein, His&Avi-tagged, Biotin-labeled

Cat. No. VSIG4-11175H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human VSIG4 Protein, His, Avitag is expressed from human 293 cells (HEK293). It contains AA Arg 20 - Pro 283 (Accession # Q9Y279). This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag). Predicted N-terminus: Arg 20
Species	Human
Source	HEK293
ProteinLength	20-283 aa
Conjugation/Label	Biotin
Description	V-set and immunoglobulin domain-containing protein 4 (VSIG4) is also known as Protein Z39Ig, is a type I transmembrane glycoprotein. VSIG4 is a B7 family-related protein and an Ig superfamily member. VSIG4 contains two Ig-like (immunoglobulin-like) domains. VSIG4 is abundantly expressed in several fetal tissues. In adult tissues, the highest expression of VSIG4 is in lung and placenta. VSIG4 functions as a negative regulator of T cell activation, and may be involved in the maintenance of peripheral T cell tolerance, and is also identified as a potent suppressor of established inflammation. VSIG4 is a phagocytic receptor, strong negative regulator of T-cell proliferation and IL2 production.
Form	Lyophilized from 0.22

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	µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Specificity	Protein Ratio: Passed as determined by the HABA assay/binding ELISA.
Molecular Mass	The protein has a calculated MW of 32.8 kDa. The protein migrates as 43-50 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity	>90% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
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	VSIG4 V-set and immunoglobulin domain containing 4 [Homo sapiens (human)]
Official Symbol	VSIG4
Synonyms	VSIG4; V-set and immunoglobulin domain containing 4; V-set and immunoglobulin domain-containing protein 4; Z39IG; protein Z39Ig; Ig superfamily protein; complement receptor of the immunoglobulin superfamily; CRIG;
Gene ID	11326

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mRNA Refseq	NM_001100431
Protein Refseq	NP_001093901
MIM	300353
UniProt ID	Q9Y279

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