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Datasheet for ABIN7320380

## VSIG4 Protein (His tag,Fc Tag)

### 1 Image

#### Overview

Quantity:	100 µg
Target:	VSIG4
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VSIG4 protein is labelled with His tag,Fc Tag.

#### Product Details

Purpose:	Recombinant Mouse VSIG4 Protein (His & Fc Tag)
Sequence:	Met 1-Pro 187
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Pro 187) of mouse VSIG4 (NP_808457.1) precursor was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

#### Target Details

Target:	VSIG4
Alternative Name:	VSIG4 ( <a href="#">VSIG4 Products</a> )
Background:	Background: VSIG4 (V-set and immunoglobulin domain containing 4), also known as complement receptor of the immunoglobulin superfamily (CRIg) and Z39Ig, is a type I

## Target Details

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transmembrane glycoprotein. It is a B7 family-related protein and an Ig superfamily member. In contrast to the B7 family members which contain two IgG domains, VSIG4 contains one complete V-type Ig domain and a truncated C-type Ig domain. VSIG4 is exclusively expressed on tissue resident macrophages and binds to multimers of C3b and iC3b that are covalently attached to particle surfaces. No VSIG4 expression appears to be present in T and B cells. 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. Mouse VSIG4 is synthesized as a 280 amino acid precursor that contains a signal sequence, an V-type Ig domain (aa 36-115), one potential N-linked glycosylation site, and a single transmembrane domain. The V-type Ig domain of mouse VSIG4 shares 86% and 80% aa sequence identity with the V-type Ig domains of rat and human VSIG4, respectively.

Synonym: A530061A11;BC025105;CRIG;Z39IG

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Molecular Weight: 47 kDa

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NCBI Accession: [NP\\_808457](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Reconstitution: Please refer to the printed manual for detailed information.

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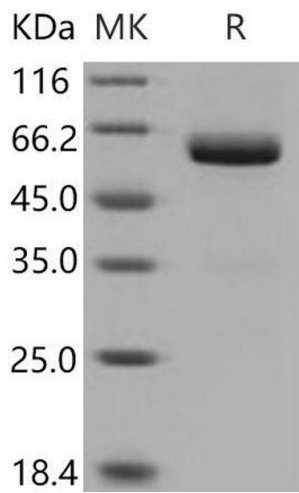
Buffer: Lyophilized from sterile PBS, pH 7.4

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Storage: 4 °C, -20 °C, -80 °C

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Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



**Western Blotting**

**Image 1.**