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Datasheet for ABIN7275842

## VSIG4 Protein (AA 25-288) (His tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	VSIG4
Protein Characteristics:	AA 25-288
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VSIG4 protein is labelled with His tag.

#### Product Details

Purpose:	Cynomolgus VSIG4 Protein
Sequence:	Arg25-Ala288
Characteristics:	Recombinant Cynomolgus VSIG4 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Arg25-Ala288.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

#### Target Details

Target:	VSIG4
Alternative Name:	VSIG4 ( <a href="#">VSIG4 Products</a> )

## Target Details

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**Background:** VSIG4, a B7 family-related protein, is a negative regulator of T cell activation. T cell activation by APCs is positively and negatively regulated by members of the B7 family. Unlike that of B7 family members, surface expression of VSIG4 was restricted to resting tissue macrophages and absent upon activation by LPS or in autoimmune inflammatory foci. The specific expression of VSIG4 on resting macrophages in tissue suggests that this inhibitory ligand may be important for the maintenance of T cell unresponsiveness in healthy tissues.

**Molecular Weight:** 30.16 kDa. Due to glycosylation, the protein migrates to 35-50 kDa based on Tris-Bis PAGE result.

**UniProt:** [A0A7N9D9P6](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

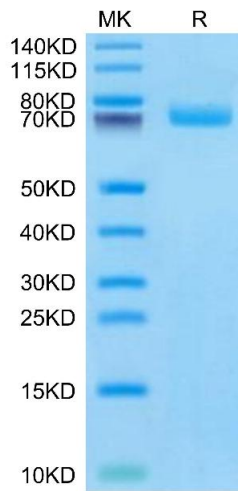
**Reconstitution:** Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

**Buffer:** Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

**Storage:** -20 °C,-80 °C

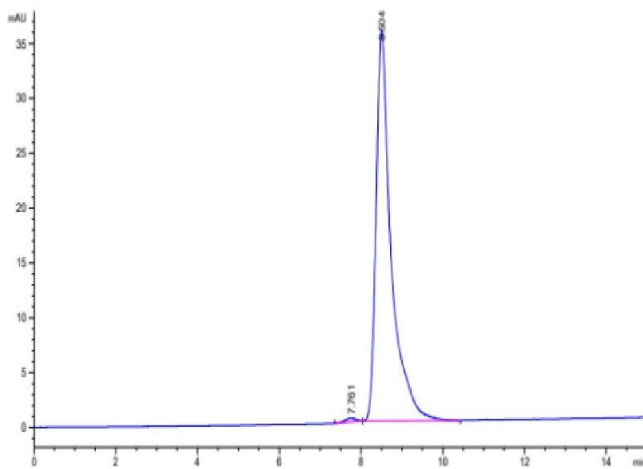
**Storage Comment:** -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Expiry Date:** 12 months



### SDS-PAGE

**Image 1.** Cynomolgus VSIG4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Cynomolgus VSIG4 is greater than 95 % as determined by SEC-HPLC.