

Human VSIG4 Protein

Cat. No. VSG-HM104



Description

Source	Recombinant Human VSIG4 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Arg20-Pro283.
Accession	NP_009199.1
Molecular Weight	The protein has a predicted MW of 30.3 kDa. Due to glycosylation, the protein migrates to 45-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

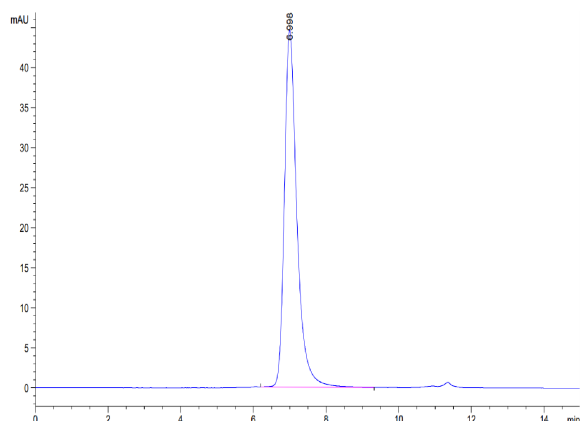
Assay Data

Bis-Tris PAGE



Human VSIG4 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human VSIG4 is greater than 95% as determined by SEC-HPLC.