

Human VSIG4 Protein, Ultra Low Endotoxin



Cat. No. VSG-HM104-UL

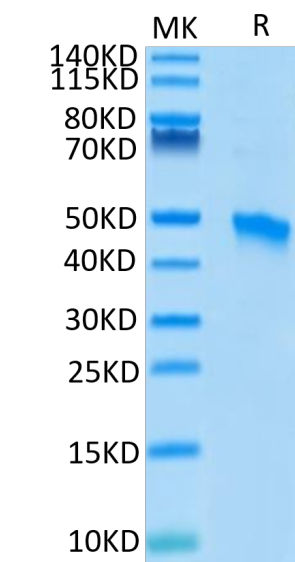
Description	
Source	Recombinant Human VSIG4 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Arg20-Pro283.
Accession	NP_009199.1
Molecular Weight	The protein has a predicted MW of 30.3 kDa. Due to glycosylation, the protein migrates to 45-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU 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	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
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

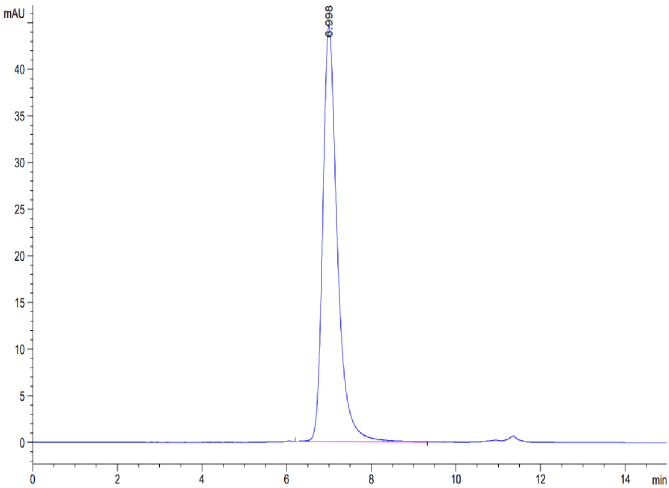
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



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