Human VSIG4 Protein, His Tag

Catalog # VS4-H5226

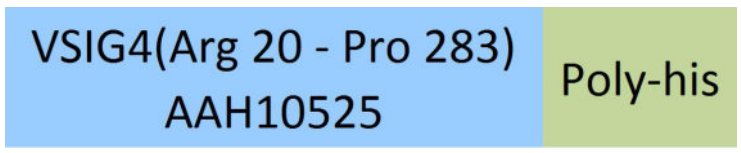
Synonym

VSIG4,CRIg,Z39IG

Source

Human VSIG4, His Tag(VS4-H5226) is expressed from human 293 cells (HEK293). It contains AA Arg 20 - Pro 283 (Accession # AAH10525).
Predicted N-terminus: Arg 20

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 30.1 kDa. The protein migrates as 37-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

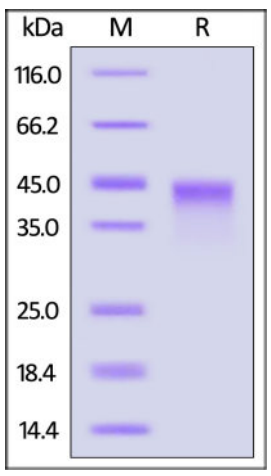
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human VSIG4, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Background

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.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.