

## Recombinant Human VSIG2 Protein (His Tag)

**Catalog Number:** PKSH033363

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

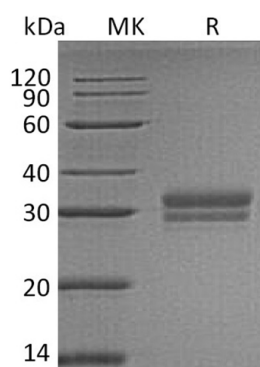
### Description

<b>Species</b>	Human
<b>Source</b>	HEK293 Cells-derived Human VSIG2 protein Val24-Ala243, with an C-terminal His
<b>Mol_Mass</b>	24.2 kDa
<b>Accession</b>	Q96IQ7
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
	Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

V-Set and Immunoglobulin Domain-Containing Protein 2 (VSIG2) is presumably a 50-60 kDa single-pass type I transmembrane (glyco)protein which contains one Ig-like C2-type (immunoglobulin-like) domain and one Ig-like V-type (immunoglobulin-like) domain. VSIG2 is highly expressed in the stomach; colon; prostate; trachea and thyroid glands and weakly in bladder and lung. V-set domains are Ig-like domains resembling the antibody variable domain. V-set domains are found in diverse protein families; including immunoglobulin light and heavy chains; in several T-cell receptors such as CD2 (Cluster of Differentiation 2); CD4; CD80; and CD86; in myelin membrane adhesion molecules; in junction adhesion molecules (JAM); in tyrosine-protein kinase receptors; and in the programmed cell death protein 1 (PD1). It shows expression in stomach and prostate by Northern blot; and likely participates in cell adhesion. Human VSIG2 precursor is 327 amino acids in length.

### For Research Use Only