Recombinant Human VSIG2 Protein (His Tag)

Catalog Number: PKSH033363

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

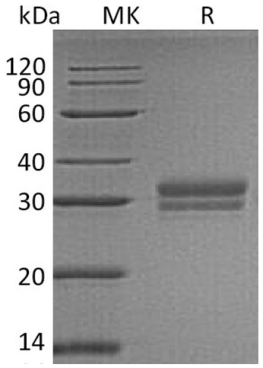
Description

Species	Human
Source	HEK293 Cells-derived Human VSIG2 protein Val24-Ala243, with an C-terminal His
Calculated MW	24.2 kDa
Observed MW	24-36 kDa
Accession	Q96IQ7
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	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.
Reconstitution	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.