



# Recombinant Protein Technical Manual

## Recombinant Human VSIG2 Protein (His Tag)

RPES2756

### Product Data:

**Product SKU:** RPES2756

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q96IQ7

### Protein Information:

**Molecular Mass:** 24.2 kDa

**AP Molecular Mass:** 30-33 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** 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.

**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.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** V-Set and Immunoglobulin Domain-Containing Protein 2; Cortical Thymocyte-Like Protein; CT-Like Protein; VSIG2; CTH; CTXL

## Immunogen Information:

**Sequence:** Val24-Ala243

## 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.