

Recombinant Human VSIG2 Protein (Met1-Ala243), His-tagged, Biotinylated

Cat. No. VSIG2-1159H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human VSIG2 Protein (Q96IQ7-1) isoform 1 extracellular domain (Met1-Ala243) was produced by HEK293 Cells expression system. This protein was fused with a polyhistidine tag at the C-terminus. The purified protein was biotinylated in vitro.

Species Human

Source HEK293

ProteinLength Met1-Ala243

Description V-set and immunoglobulin domain-containing protein 2, also known as cortical thymocyte-like protein, CT-like protein and VSIG2, is a single-pass type I membrane 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 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, CD8, 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).

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Predicted N Terminal	Val 24
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human VSIG2 consists of 231 amino acids and predicts a molecular mass of 24.6 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.
Conjugation	Biotin

GENE INFORMATION

Gene Name VSIG2 V-set and immunoglobulin domain containing 2 [Homo sapiens]

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Official Symbol	VSIG2
Synonyms	VSIG2; CTH; CTXL; CT-like protein; 2210413P10Rik;
Gene ID	23584
mRNA Refseq	NM_014312
Protein Refseq	NP_055127
MIM	606011
UniProt ID	Q96IQ7

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