Datasheet for ABIN1097802

VSIG2 Protein (AA 24-243) (His tag)

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Overview

Quantity:	50 µg
Target:	VSIG2
Protein Characteristics:	AA 24-243
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VSIG2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human V-Set and Ig Domain-Containing Protein 2/VSIG2 (C-6His)
Sequence:	VEVKVPTEPL STPLGKTAEL TCTYSTSVGD SFALEWSFVQ PGKPISESHP ILYFTNGHLY PTGSKSKRVS LLQNPPTVGV ATLKLTDVHP SDTGTYLCQV NNPPDFYTNG LGLINLTVLV PPSNPLCSQS GQTSVGGSTA LRCSSSEGAP KPVYNWVRLG TFPTPSPGSM VQDEVSGQLI LTNLSLTSSG TYRCVATNQM GSASCELTLS VTEPSQGRVA VDHHHHHH
Characteristics:	Recombinant Human V-Set and Immunoglobulin Domain-Containing Protein 2/VSIG2 produced by transfected human cells is a secreted protein with sequence (Val24-Ala243) of Human VSIG2 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	VSIG2
Alternative Name:	vsig2 (VSIG2 Products)
Sub Type:	Fusionprotein
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. Alternative Names: V-Set and Immunoglobulin Domain-Containing Protein 2, Cortical Thymocyte-Like Protein, CT-Like Protein, VSIG2, CTH, CTXL
Molecular Weight:	24.2 kDa
UniProt:	Q96IQ7

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Handling

	Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months

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