

Human VSIG2 / CTXL Protein (His Tag), Biotinylated

Catalog Number: 11543-H08H-B



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

2210413P10Rik; CTH; CTXL

Protein Construction:

A DNA sequence encoding the human VSIG2 isoform 1 (Q961Q7-1) extracellular domain (Met1-Ala243) was fused with a polyhistidine tag at the C-terminus. The purified protein was biotinylated in vitro.

Source: Human

Expression Host: HEK293 Cells

QC Testing

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

Endotoxin:

< 1.0 EU per µg protein as determined by the LAL method.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Val 24

Molecular Mass:

The recombinant human VSIG2 consists of 231 amino acids and predicts a molecular mass of 24.6 kDa.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

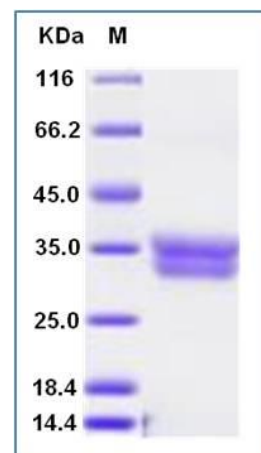
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein 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).

References

Satow Y, et al., 1986, J. Mol. Biol. 190(4): 593-604.
Kariuki, S.N. et al., 2010, Arthritis Res Ther. 12 (4):R151.

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For US Customer: Fax: 267-657-0217 ● Tel: 215-583-7898

Global Customer: Fax :+86-10-5862-8288 ● Tel:+86-400-890-9989 ● <http://www.sinobiological.com>