

Human VSIG2/CTXL (His Tag) recombinant protein



Catalog Number: 502310

General Information

Gene Name Synonym

Cortical thymocyte-like protein

Protein Construction

A DNA sequence encoding the human VSIG2 isoform 1 (Q96IQ7-1) extracellular domain (Met 1-Ala 243) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of the HUVEC human umbilical vein endothelial cell line. When 4×10^4 cells/well are added to human VSIG2 coated plates (30 $\mu\text{g}/\text{ml}$, 100 $\mu\text{l}/\text{well}$), approximately 25 %-50 % will adhere after one hour at 37 $^{\circ}\text{C}$.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the 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 secreted recombinant human VSIG2 consists of 231 amino acids and has a calculated molecular mass of 24.6 kDa. The apparent molecular mass of rhVSIG2 is approximately 30-35 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

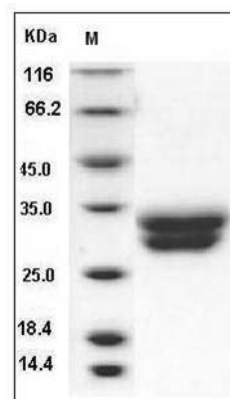
Storage

Store it under sterile conditions at -20°C to -80°C . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human VSIG2 / CTXL Protein (His Tag) SDS-PAGE