

# 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  $4 \times 10^4$  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 °C.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  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

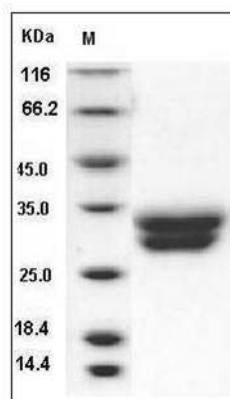
### Storage

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