

Datasheet for ABIN7274764

VSIG1 Protein (AA 22-232) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	VSIG1
Protein Characteristics:	AA 22-232
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VSIG1 protein is labelled with His tag.

Product Details

Purpose:	Human GPA34/VSIG1 Protein
Sequence:	Val22-Glu232
Characteristics:	Recombinant Human GPA34/VSIG1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val22-Glu232.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	VSIG1
Alternative Name:	GPA34 (VSIG1 Products)

Target Details

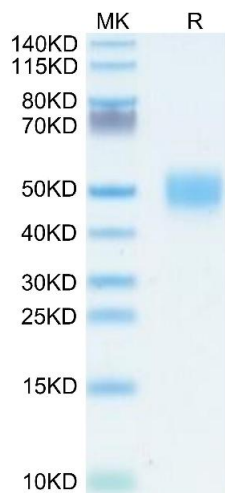
Background:	VSIG1, a cell adhesion protein of the immunoglobulin superfamily, is preferentially expressed in stomach, testis, and certain gastric, esophageal and ovarian cancers. Here, we describe the expression patterns of three alternatively spliced isoforms of mouse Vsig1 during pre- and postnatal development of stomach and potential function of Vsig1 in differentiation of gastric epithelia. VSIG1 is required for the establishment of glandular versus squamous epithelia in the stomach.
Molecular Weight:	24 kDa. Due to glycosylation, the protein migrates to 48-55 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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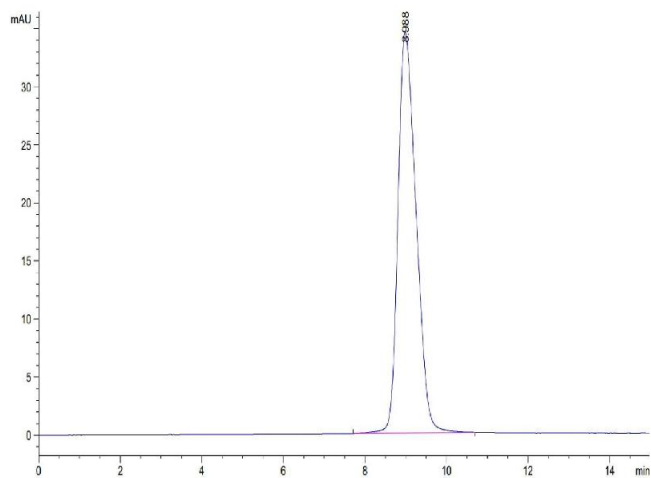
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human GPA34/VSIG1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human GPA34/VSIG1 is greater than 95 % as determined by SEC-HPLC.