

# Human GPA34/VSIG1 Protein

Cat. No. GPA-HM134

## Description

<b>Source</b>	Recombinant Human GPA34/VSIG1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val22-Glu232.
<b>Accession</b>	Q86XK7-1
<b>Molecular Weight</b>	The protein has a predicted MW of 24 kDa. Due to glycosylation, the protein migrates to 48-55 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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.

## 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.

## Assay Data

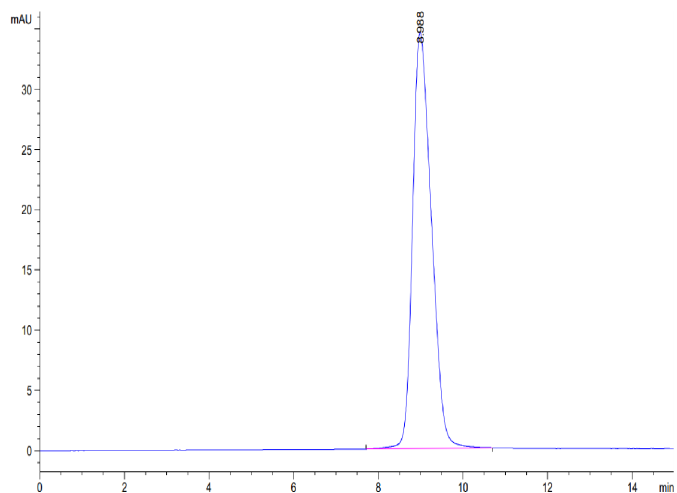
### Bis-Tris PAGE



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

### SEC-HPLC

Assay Data



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