

# Human CD42a/GP9 Protein

Cat. No. GP9-HM209



## Description

<b>Source</b>	Recombinant Human CD42a/GP9 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Thr17-Gly147.
<b>Accession</b>	P14770
<b>Molecular Weight</b>	The protein has a predicted MW of 41 kDa. Due to glycosylation, the protein migrates to 48-50 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 20mM Tris, 250mM NaCl (pH 8.5). 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 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Filamentous M13 phage extrude from infected Escherichia coli with a tip structure composed of gp7 and gp9. This tip structure is extended by the assembly of the filament composed of the major coat protein gp8. gp7, gp8 and gp9 could also be used for phage display and these phage particles should bind to two different or more surfaces when the modified coat proteins are combined. The gp9 at the phage tip is suitable for the phage display technology.

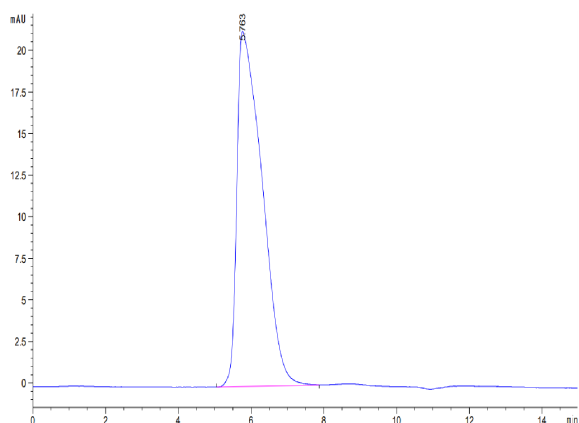
## Assay Data

### Bis-Tris PAGE



Human CD42a on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human CD42a is greater than 95% as determined by SEC-HPLC.