

# Human CD9P1 Protein

Cat. No. CD9-HM101

## Description

<b>Source</b>	Recombinant Human CD9P1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val26–Pro832.
<b>Accession</b>	Q9P2B2
<b>Molecular Weight</b>	The protein has a predicted MW of 91.55 kDa. Due to glycosylation, the protein migrates to 100-110 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

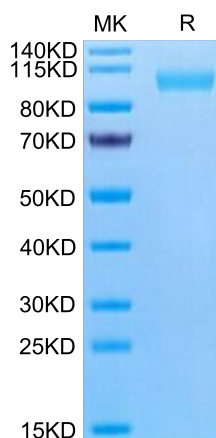
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein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

## Background

The membrane protein CD9P-1 is a major component of the tetraspanin web, a network of molecular interactions in the plasma membrane, in which it specifically associates with tetraspanins CD9 and CD81. All CD9P-1 isoforms associate with CD9 leading to additional level of complexity of this primary complex in the tetraspanin web.

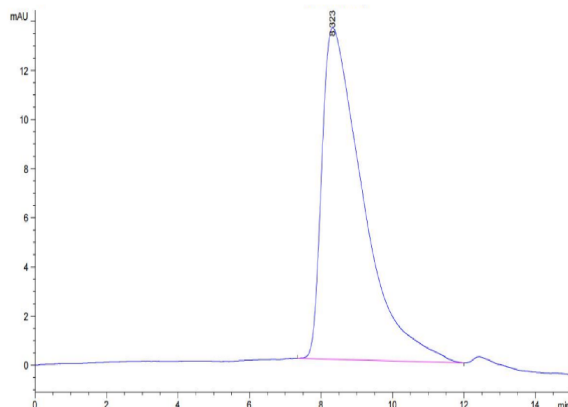
## Assay Data

### Bis-Tris PAGE



Human CD9P1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human CD9P1 is greater than 95% as determined by SEC-HPLC.