

# Human EFEMP1 Protein

Cat. No. EFE-HM101

## Description

<b>Source</b>	Recombinant Human EFEMP1 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Gln18-Phe493.
<b>Accession</b>	Q12805-1
<b>Molecular Weight</b>	The protein has a predicted MW of 53.9 kDa. Due to glycosylation, the protein migrates to 55-60 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE

## Formulation and Storage

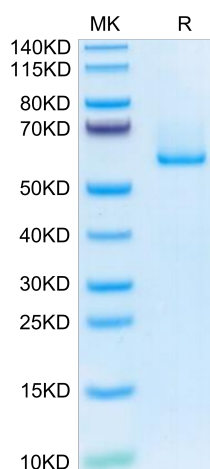
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. 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

Transversalis fascia EFEMP1, TIMP3 and ELN expressions were decreased, but MMP9 expression was increased in IH patients compared with controls. In IH patients, EFEMP1 was not correlated with TIMP3, but positively correlated with ELN and negatively correlated with MMP9; TIMP3 negatively correlated with MMP9, but positively correlated with ELN. In addition, EFEMP1 suppressed L929 cell migration and invasion.

## Assay Data

### Tris-Bis PAGE

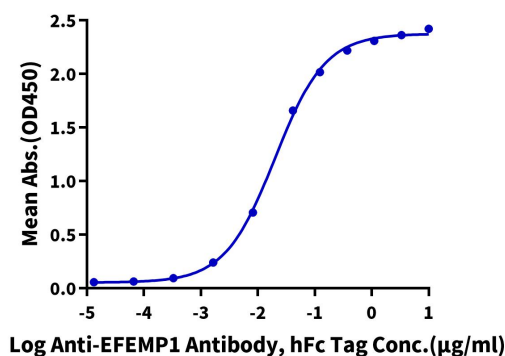


Human EFEMP1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

#### Human EFEMP1, His Tag ELISA

0.2 $\mu\text{g}$  Human EFEMP1, His Tag Per Well



Immobilized Human EFEMP1, His Tag at 2 $\mu\text{g}/\text{ml}$  (100 $\mu\text{l}/\text{Well}$ ) on the plate. Dose response curve for Anti-EFEMP1 Antibody, hFc Tag with the EC50 of 20.0ng/ml determined by ELISA.