

For Research Use Only

# Recombinant Human LAMP3 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg3594

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE  
>90 %, SEC-HPLC

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE  
>90 %, SEC-HPLC

**Endotoxin Level:**  
<0.1 EU/μg protein, LAL method

**Source:**  
HEK293-derived Human LAMP3 protein Lys28-Thr381 (Accession# Q9UQV4) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
27074

**Accession:**  
Q9UQV4

**Predicted Molecular Mass:**  
64.0 kDa

**SDS-PAGE:**  
80-120 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

### Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

### Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

LAMP3 (lysosome-associated membrane protein 3), also known as DC-LAMP (DC-lysosome-associated membrane glycoprotein), TSC403, or CD208, is a highly glycosylated lysosomal membrane protein that belongs to the LAMP family. The mature glycoprotein has an apparent molecular mass of 70-90 kDa, which is considerably larger than its predicted mass of 44 kDa. LAMP3 is expressed in lung type II pneumocytes, lymphoid organs, and dendritic cells. It might change the lysosome function after the transfer of peptide-MHC class II molecules to the surface of dendritic cells. LAMP3 mRNA is up-regulated in some human cancers. LAMP3 overexpression is associated with an enhanced metastatic potential and may be a prognostic factor for cervical cancer.

## References

1. de Saint-Vis B. et al. (1998). Immunity. 9(3):325-336.
2. Ozaki K. et al. (1998). Cancer Res. 58(16):3499-3503.
3. Kanao H. et al. (2005). Cancer Res. 65(19):8640-8645.

## Synonyms

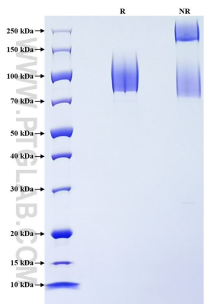
CD208, DC LAMP, DCLAMP, DC-lysosome-associated membrane glycoprotein, LAMP

### For technical support and original validation data for this product please contact

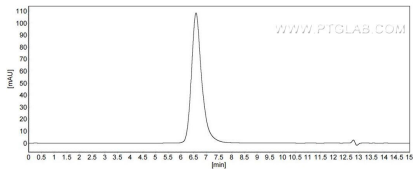
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Selected Validation Data



Purity of Recombinant Human LAMP3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Human LAMP3 was greater than 90% as determined by SEC-HPLC.