

# Product Information

## MemDX™ Membrane Protein Human LPAR3 (Lysophosphatidic acid receptor 3) Full Length

Cat. No.: **MPC0282K**

This product is for research use only and is not intended for diagnostic use.

This product is a 40 kDa Human LPAR3 membrane protein expressed in Baculovirus/Insect expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

LPAR3

#### Protein Length

Full length

#### Protein Class

GPCR

#### Molecular Weight

40 kDa

#### TMD

7

#### Sequence

MNECHYDKHMDFFYNRSNTDTVDDWTGTKLVIVLCVGTFFCLFIFFSNSL  
VIAAVIKNRKFHFPFYLLANLAAADFFAGIAYVFLMFNTGPVSKTLTVN  
RWFLRQGLLDSSLTASLTNLLVIAVERHMSIMRMVHSNLTKKRVTLIL  
LVWAIAIFMGAVPTLGWNCNLCNISACSSLAPIYSRSLVFWTVSNLMAFL  
IMVVVYLRIYVYVVKRKTNVLSPTSGSISRRTPMKLMKTVMTVLGAFVV  
CWTPGLVVLDDGLNCRQCGVQHVWRWFLLLALLNSVVNPIISYKDEDM  
YGTMMKMICCFSQENPERRPSRIPSTVLSRSDTGSQYIEDSISQGAVCNK  
STS

### Product Description

#### Expression Systems

Baculovirus/Insect expression system

#### Tag

Based on specific requirements

**Protein Format**

Detergent or based on specific requirements

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

LPAR3

**Full Name**

Lysophosphatidic acid receptor 3

**Introduction**

This gene encodes a member of the G protein-coupled receptor family, as well as the EDG family of proteins. This protein functions as a cellular receptor for lysophosphatidic acid and mediates lysophosphatidic acid-evoked calcium mobilization. This receptor couples predominantly to G(q/11) alpha proteins.

**Alternative Names**

EDG7; GPCR; LPA3; Edg-7; LP-A3; HOFNH30; RP4-678I3; LPA receptor 3; LPA receptor EDG7; LPA-3; calcium-mobilizing lysophosphatidic acid receptor LP-A3; endothelial cell differentiation gene 7; endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 7; lysophosphatidic acid receptor Edg-7; LPAR3; Lysophosphatidic acid receptor 3

**Gene ID**

[23566](#)

**UniProt ID**

[Q9UBY5](#)