

# Product Information

## MemDX™ Membrane Protein Human PLD3 (Phospholipase D family member 3) for Antibody

### Discovery

Cat. No.: **MP0324J**

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

This product is a 54.5 kDa Human PLD3 membrane protein expressed in HEK293T. 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

PLD3

#### Protein Length

Full-length

#### Protein Class

Transmembrane

#### Molecular Weight

54.5 kDa

#### TMD

1

#### Sequence

MKPKLMYQELKVPAAEPPANELPMNEIEAWKAAEKKARWVLLVLILAVVGFGALMTQLFLWEYGDLHLFGP  
NQRPA PCYDPCEAVLVESIEGLDFPNASTGNPSTSQAWLGLLAGAHSSLDIASFYWTLTNNDTHTQEPS  
AQQGEEVLRQLQTLAPKGVNVRIAVSKPSGPQPQADLQALLQSGAQVRMVDMQKLTHGVLHTKFWVVDQT  
HFYLG SANMDWRSLTQVKELGVVMYNC SCLARDLTKIFEAYWFLGQAGSSIPSTWPRFYDTRYNQETPME  
ICLNGTPALAYLASAPPPLCPSGRTPDLKALLNVVDNARSFIYVAVMNYLPTLEFSHPHRFWPAIDDGLR  
RATYERGVKVRLLISCWGHSEPSMRAFLLSLAALRDNHTHSDIQVKLFVVPADAEQARIPYARVNH NKYM  
VTERATYIGTSNWSGNYFTETAGTSLLVTQNGRGGRLRSQLEAIFLRDWDSPYSHDLDT SADS VGNACRL

### Product Description

#### Expression Systems

HEK293T

#### Tag

C-Myc/DDK

**Form**

Liquid

**Purification**

Anti-DDK affinity column followed by conventional chromatography steps

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer**

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

PLD3

**Full Name**

Phospholipase D family member 3

**Introduction**

This gene encodes a member of the phospholipase D (PLD) family of enzymes that catalyze the hydrolysis of membrane phospholipids. The encoded protein is a single-pass type II membrane protein and contains two PLD phosphodiesterase domains. This protein influences processing of amyloid-beta precursor protein. Mutations in this gene are associated with Alzheimer disease risk. Alternatively spliced transcript variants encoding the same protein have been found for this gene.

**Alternative Names**

AD19; HUK4; HU-K4; SCA46

**Gene ID**

[23646](#)

**UniProt ID**

[Q8IV08](#)