

# Product Information

## MemDX™ Membrane Protein Human PARP16 (poly(ADP-ribose) polymerase family member 16)

Cat. No.: **MP0242J**

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

This product is a 36.3 kDa Human PARP16 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

PARP16

#### Protein Length

Full-length

#### Protein Class

Transmembrane

#### Molecular Weight

36.3 kDa

#### TMD

1

#### Sequence

MQPSGWAAAREAAAGRDMLAADLRCSLFASALQSYKRDSVLRPFPPASYARGDCKDFEALLADASKLPNLKE  
LLQSSGDNHKRAWDLVSWILSSKVLTIHSAGKAEFEKIQKLTGAPHTPVPAPDFLFEIEYFDPANAKFYE  
TKGERDLIYAFHGSRLNFHSHHNGHLHCHLNKTSLFEGEGTYLTSDSLALISPHGHGWQHSLGPILS  
CVAVCEVIDHPDVKQCQTKKKDSKEIDRRRARIKHSEGGDIPPKYFVVTNNQLLRVKYLLVYSQKPPKSRA  
SSQLSWFSSHWFTVMISLYLLLLLIVSVINSSAFQHFWRNAKR

### 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**

PARP16

**Full Name**

poly(ADP-ribose) polymerase family member 16

**Introduction**

Intracellular mono-ADP-ribosyltransferase that may play a role in different processes through the mono-ADP-ribosylation of proteins involved in those processes. May play a role in the unfolded protein response (UPR), by ADP-ribosylating and activating EIF2AK3 and ERN1, two important UPR effectors. May also mediate mono-ADP-ribosylation of karyopherin KPNB1 a nuclear import factor. May not modify proteins on arginine or cysteine residues compared to other mono-ADP-ribosyltransferases.

**Alternative Names**

ARTD15; pART15; C15orf30; ADP-ribosyltransferase diphtheria toxin-like 15; mono [ADP-ribose] polymerase PARP16; poly [ADP-ribose] polymerase 16

**Gene ID**

[54956](#)

**UniProt ID**

[Q8N5Y8](#)