

# Product Information

## MemDX™ Membrane Protein Human KREMEN1 (Kringle containing transmembrane protein

1)

Cat. No.: **MP0003J**

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

This product is a 48.3 kDa Human KREMEN1 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

KREMEN1

#### Protein Length

Full-length

#### Protein Class

Druggable Genome, Transmembrane

#### Molecular Weight

48.3 kDa

#### TMD

1

#### Sequence

MAPPAARLALLSAAALTLAARPAPSPGLGPGPECFTANGADYRGTQNWLTALQGGKPCLFWNETFQHPYNT  
LKYPNGEGGLGEHNYCRNPDGDVSPWCYVAEHEDGVYWKYCEIPACQMPGNLGCYKDHGNPPPLTGTSKT  
SNKLTIQTCISFCRSQRFKFAGMESGYACFCGNNPDYWKYGEAASTECNSVCFGDHTQPCGGDGRILFD  
TLVGACGGNYSAMSSVVYSPDFPDYATGRVCYWTIRVPGASHIHFSFPLFDIRDSADMVELLDGYTHRV  
LARFHGRSRPPLSFNVSLDFVILYFFSDRINQAQGFVLYQAVKEELPQERPAVNQTVAEVITEQANLSV  
SAARSSKVLVYITTSPPHPPQTVPGWTVYGLATLLILTVTAIVAKILLHVTFSHRVPASGDLRDCHQPG  
TSGEIWSIFYKPSTSISIFKKKLKGQSQQDDRNPLVSD

### Product Description

#### Expression Systems

HEK293T

#### Tag

C-Myc/DDK

**Form**

Powder

**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**

KREMEN1

**Full Name**

Kringle containing transmembrane protein 1

**Introduction**

This gene encodes a high-affinity dickkopf homolog 1 (DKK1) transmembrane receptor that functionally cooperates with DKK1 to block wingless (WNT)/beta-catenin signaling. The encoded protein is a component of a membrane complex that modulates canonical WNT signaling through lipoprotein receptor-related protein 6 (LRP6). It contains extracellular kringle, WSC, and CUB domains. Alternatively spliced transcript variants encoding distinct isoforms have been observed for this gene.

**Alternative Names**

KRM1; ECTD13; KREMEN; kremen protein 1; dickkopf receptor; kringle domain-containing transmembrane protein 1; kringle-coding gene marking the eye and the nose; kringle-containing protein marking the eye and the nose; OTTHUMP00000028977

**Gene ID**

[83999](#)

**UniProt ID**

[Q96MU8](#)