

# Product Information

## MemDX™ Membrane Protein Human DRAM2 (DNA damage regulated autophagy modulator)

### 2) Full Length

Cat. No.: **MPC2906K**

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

This product is a made-to-order Human DRAM2 membrane protein expressed in HEK293. 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

DRAM2

#### Protein Length

Full length

#### Protein Class

Transporter

#### TMD

6

#### Sequence

MWWFQQGLSFLPSALVIWTSAAFIFSYITAVTLHHIDPALPYISDTGTVA  
PEKCLFGAMLNIAAVLCIATIIYVRYKQVHALSPEENVIIKLNKAGLVLGI  
LSCLGLSIVANFQKTTLFAAHVSGAVLTFGMGSLYMFVQTILSYQMCPKI  
HGKQVFWIRLLLVIWCGVSALSMLTCSSVLHSGNFGTDLEQKLHWNPEDK  
GYVLHMITTAAEWSMSFSFFGFFLTYYIRDFQKISLRVEANLHGLTLYDTA  
PCPINNERTRLLSRDI

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

#### Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

DRAM2

**Full Name**

DNA damage regulated autophagy modulator 2

**Introduction**

The protein encoded by this gene binds microtubule-associated protein 1 light chain 3 and is required for autophagy. Defects in this gene are a cause of retinal dystrophy. In addition, two microRNAs (microRNA 125b-1 and microRNA 144) can bind to the mRNA of this gene and produce the disease state.

**Alternative Names**

DRAM2; CORD21; PRO180; TMEM77; WWFQ154; DNA damage-regulated autophagy modulator protein 2; damage regulated autophagy modulator 2; transmembrane protein 77; DNA damage regulated autophagy modulator 2

**Gene ID**

[128338](#)

**UniProt ID**

[Q6UX65](#)