

# Product Information

## **MemDX™ Membrane Protein Human MRAP2 (Melanocortin 2 receptor accessory protein 2)**

### **Expressed *in vitro* E.coli expression system, Full Length**

Cat. No.: **MPX1353K**

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

This product is a Human MRAP2 membrane protein expressed *in vitro* E.coli 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**

MRAP2

#### **Protein Length**

Full Length

#### **Protein Class**

Receptor

#### **TMD**

1

#### **Sequence**

MSAQRLLISNRTSQQSASNSDYTWEEYEEYIIGPVSFEGGLKAHKYSIVIGFWVGLAVFVIFMFFVLTLTKTGAPHQDNAESSEKRFMR

### Product Description

#### **Expression Systems**

*in vitro* E.coli expression system

#### **Tag**

10xHis tag at the N-terminus

#### **Protein Format**

Soluble

#### **Form**

Liquid or Lyophilized powder

#### **Buffer**

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### **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**

MRAP2

#### **Full Name**

Melanocortin 2 receptor accessory protein 2

#### **Introduction**

This gene encodes a protein that modulates melanocortin receptor signaling. The encoded protein has been shown to interact with all known melanocortin receptors and may regulate both receptor trafficking and activation in response to ligands. Mice lacking a functional copy of this gene exhibit severe obesity and a mutation in this gene may be associated with severe obesity in human patients.

#### **Alternative Names**

MRAP2; C6orf117; bA51G5.2; MC2R accessory protein 2; Melanocortin 2 receptor accessory protein 2

#### **Gene ID**

[112609](#)

#### **UniProt ID**

[Q96G30](#)