

# Product Information

## **MemDX™ Membrane Protein Human TAAR1 (Trace amine associated receptor 1) Expressed *in vitro* E.coli expression system, Full Length**

Cat. No.: **MPX3379K**

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

This product is a Human TAAR1 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

TAAR1

#### Protein Length

Full Length

#### Protein Class

GPCR

#### TMD

7

#### Sequence

MMPFCHNIINISCVKNNWSNDVRASLYSLMVLIIITTLVGNLIVIVSISHFKQLHTPTNWLHSMATVDFLLGCLVMPYSMVRS AEHCW

### 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**

TAAR1

#### **Full Name**

Trace amine associated receptor 1

#### **Introduction**

The protein encoded by this gene is a G-protein coupled receptor activated by trace amines. The encoded protein responds little or not at all to dopamine, serotonin, epinephrine, or histamine, but responds well to beta-phenylethylamine, p-tyramine, octopamine, and tryptamine. While primarily functioning in neurologic systems, there is evidence that this gene is involved in blood cell and immunologic functions as well. This gene is thought to be intronless.

#### **Alternative Names**

TAAR1; TA1; TAR1; TRAR1; trace amine-associated receptor 1; trace amine receptor 1; Trace amine associated receptor 1

#### **Gene ID**

[134864](#)

#### **UniProt ID**

[Q96RJ0](#)