

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

MMPFCHNIINISCVKNNWSNDVRASLYSLMVLIIITLVGNLIVIVSHFKQLHTPTNWLIHSMATVDFLGCLVMPYSMVRSAEHCW

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](#)