

Product Information

MemDX™ Membrane Protein Human TAAR1 (Trace amine associated receptor 1) for

Antibody Discovery

Cat. No.: **MP1321X**

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

This product is a 65.5 kDa Human TAAR1 membrane protein expressed in *In vitro* wheat germ 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

Molecular Weight

65.5 kDa

TMD

7

Sequence

MMPFCHNIINISCVKNNWSNDVRASLYSLMVLIIILTTLVGNLIVIVSISHFKQLHTPTNWLHSMATVDFLLGCLVMPYSMVRS AEHCW

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Protein Format

Liposome

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0

Storage

Store at +4°C for up to one week or several months at -80°C

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

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

Gene ID

[134864](#)

UniProt ID

[Q96RJ0](#)