

Product Information

MemDX™ Membrane Protein Human TAS2R38 (Taste 2 receptor member 38) for Antibody

Discovery

Cat. No.: **MP1150J**

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

This product is a 37.7 kDa Human TAS2R38 membrane protein expressed in HEK293T. 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

TAS2R38

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

37.7 kDa

TMD

1

Sequence

MLTLTRIRTVSYEVRSTFLFISVLEFAVGFLTNAFVFLVNFWDVVKRQALSNSDCVLLCLSISRLFLHGL
LFLSAIQLTHFQKLSEPLNHSYQAIIMLWMIANQANLWLAACLSLLYCSKLIRFSHTFLICLASWVSRKI
SQMLLGII LCSCICTVLCVWCFFSRPHFTVTTVLFMNNNTRLNWQIKDLNLFYSFLFCYLWSVPPFLLFL
VSSGMLTVSLGRHMRTMKVYTRNSRDPSEAHIAKALKSLVSFFCFFVISSCVAFISVPLLILWRDKIGVM
VCVGIMAAACPSGHAAILISGNAKLRRRAVMTILLWAQSSLKVRADHKADSRITLC

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

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

Target

Target Protein

TAS2R38

Full Name

Taste 2 receptor member 38

Introduction

This gene encodes a seven-transmembrane G protein-coupled receptor that controls the ability to taste glucosinolates, a family of bitter-tasting compounds found in plants of the Brassica sp. Synthetic compounds phenylthiocarbamide (PTC) and 6-n-propylthiouracil (PROP) have been identified as ligands for this receptor and have been used to test the genetic diversity of this gene. Although several allelic forms of this gene have been identified worldwide, there are two predominant common forms (taster and non-taster) found outside of Africa. These alleles differ at three nucleotide positions resulting in amino acid changes in the protein (A49P, A262V, and V296I) with the amino acid combination PAV identifying the taster variant (and AVI identifying the non-taster variant).

Alternative Names

PTC; T2R38; T2R61; THIOT

Gene ID

[5726](#)

UniProt ID

[P59533](#)