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Product Information

MemDX™ Membrane Protein Human TAS2R38 (Taste 2 receptor member 38) expressed in *In vitro* wheat germ expression system for Antibody Discovery

Cat. No.: **MP1335X**
This product is for research use only and is not intended for diagnostic use.

This product is a 37.9 kDa Human TAS2R38 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
TAS2R38

Protein Length
Full-length

Molecular Weight
37.9 kDa

TMD
7

Sequence
MLTLTRIRTVSYEVRSTFLFISVLEFAVGFLTNAFVFLVNFWDVVKRQALSNSDCVLLCLSISRLFLHGLLFLSAIQLTHFQKLSEPLNH

Product Description

Application
Antibody Production

Expression Systems
in vitro wheat germ expression system

Tag
NO

Protein Format
Liposome

Form

Liquid

Purification

None

Buffer

25 mM Tris-HCl of pH8.0 containing 2% 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; taste receptor type 2 member 38; PTC bitter taste receptor; taste receptor type 2 member 61; taste receptor, type 2, member 38

Gene ID

5726

UniProt ID

P59533