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Product Information

MemDX™ Membrane Protein Human TAS2R1 (Taste 2 receptor member 1) Expressed *in vitro E.coli* expression system, Full Length

Cat. No.: **MPX2922K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human TAS2R1 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
TAS2R1

Protein Length
Full Length

Protein Class
GPCR

TMD
7

Sequence
MLESHLIIYFLLAVIQFLLGIFTNGIIVVVNGIDLIKHRKMAPLDLLLSCLAVSRIFLQLFIFYVNVIVIFFIEFIMCSANCAILLFINELELWLAT

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

TAS2R1

Full Name

Taste 2 receptor member 1

Introduction

This gene encodes a member of a family of candidate taste receptors that are members of the G protein-coupled receptor superfamily and that are specifically expressed by taste receptor cells of the tongue and palate epithelia. This intronless taste receptor gene encodes a 7-transmembrane receptor protein, functioning as a bitter taste receptor. This gene is mapped to chromosome 5p15, the location of a genetic locus (PROP) that controls the detection of the bitter compound 6-n-propyl-2-thiouracil.

Alternative Names

TAS2R1; T2R1; TRB7; taste receptor, family B, member 7; taste receptor, type 2, member 1; Taste 2 receptor member 1

Gene ID

50834

UniProt ID

Q9NYW7