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Product Information

Magic™ Membrane Protein Human OR10T2 (Olfactory receptor family 10 subfamily T member 2) Expressed *in vitro E.coli* expression system, Full Length

{AlternativeNames}

Cat. No.: **MPX3147K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human OR10T2 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
OR10T2

Protein Length
Full Length

Protein Class
GPCR

TMD
7

Sequence
MRGFNKTTVVTQFILVGFSSLGELQLLLFVIFLLLYLTILVANVTIMAVIRFSWTLHTPMYGFLFILSFSE
SCYTFVIIPQLLVHLLSDTKTISFMACATQLFFFLGFACTNCLLIAVMGYDRYVAICHPLRYTLIINKRL
GLELISLSGATGFFIALVATNLICDMRFCGPNRVNHYFCDMAPVIKLACTDTHVKELALFSLSILVIMVP
FLLILISYGFIVNTILKIPSAEGKKAFVTCASHLTVVFVHYGCASIIYLRPKSKSASDKDQLVAVTYTVV
TPLLNPLVYSLRNKEVKTALKRVLGMPVATKMS

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

OR10T2

Full Name

Olfactory receptor family 10 subfamily T member 2

Introduction

Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms.

Alternative Names

OR10T2; OR1-3; olfactory receptor 10T2; olfactory receptor OR1-3; Olfactory receptor family 10 subfamily T member 2

Gene ID

128360

UniProt ID

Q8NGX3

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