SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human OR52A4P (Olfactory receptor family 52 subfamily A member 4 pseudogene) Expressed *in vitro E.coli* expression system, Full Length

Cat. No.: **MPX2940K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human OR52A4P 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
OR52A4P

Protein Length
Full Length

Protein Class
GPCR

TMD
7

Sequence
MALPITNGTLFMPFVLTFIGIPGFESVQCWIGIPFCATYVIALIGNSLLLIIIKSEPSLHEPMYIFLATLGATDISLSTSIVPKMLDIFWFHLP

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

OR52A4P

Full Name

Olfactory receptor family 52 subfamily A member 4 pseudogene

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. Although originally considered to be a functional olfactory receptor, this family member is now considered to be pseudogene due to the presence of a C-terminal frameshift compared to other family members; this is also consistent with the Classifier for Olfactory Receptor Pseudogenes (CORP), as described in PMID:16939646.

Alternative Names

OR52A4P; OR52A4; putative olfactory receptor 52A4; Olfactory receptor family 52 subfamily A member 4 pseudogene

Gene ID

390053

UniProt ID

A6NMU1

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