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Product Information

MemDX™ Membrane Protein Human OR4C13 (Olfactory receptor family 4 subfamily C member 13) Full Length

Cat. No.: **MPC2382K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human OR4C13 membrane protein expressed in Baculovirus/Insect 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
OR4C13

Protein Length
Full length

Protein Class
GPCR

TMD
7

Sequence
MANRNNVTEFILLGLTENPKMQKIIFVVFSVIYINAMIGNVLIVVTITAS
PSLRSPMYFFLAYLSFIDACYSSVNTPKLITDSLYENKTILFNGCMTQVF
GEHFFRGVEVILLTVMAYDHYVAICKPLHYTTVMKQHVCSLLVGVSWVGG
FLHATIQILFICQLPFCGPNVIDHFMCDLYTLINLACTNTHTLGLFIAAN
SGFICLLNCLLLLVSCVVILYSLKTHSLEARHEALSTCVSHITVVILSFI
PCIFVYMRPPATLPIDKAVAVFYTMITSMLNPLIYTLRNAQMKNAIRKLC
SRKAISSVK

Product Description

Expression Systems
Baculovirus/Insect expression system

Tag
Based on specific requirements

Protein Format
Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

OR4C13

Full Name

Olfactory receptor family 4 subfamily C member 13

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

OR4C13; olfactory receptor 4C13; olfactory receptor OR11-260; Olfactory receptor family 4 subfamily C member 13

Gene ID

283092

UniProt ID

Q8NGP0