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Product Information

MemDX™ Membrane Protein Human OR6K2 (Olfactory receptor family 6 subfamily K member 2) Full Length

Cat. No.: **MPC2375K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human OR6K2 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
OR6K2

Protein Length
Full length

Protein Class
GPCR

TMD
7

Sequence
MESPNRTTIQEFIFSAFPYSWVKSVVCFVPLLFIYAFIVVGNLVIITVVQ
LNTHLHTPMYTFISALSFLEIWYTTATIPKMLSSLLSERSISFNGCLLQM
YFFHSTGICEVCLLTVMAFDHYLAICSPLHYPSIMTPKLCTQLTLSCCVC
GFITPLPEIAWISTLPFCGSNHLEHIFCDFLPVLRLACTDTRAIVMIQVV
DVIHAVEIITAVMLIFMSYDGIVAVILRIHSAGGRRTAFSTCVSHFIVFS
LFFGSVTLMYLRFSATYSLFWDIAIALAFAVLSPFFNPIIYSLRNKEIKE
AIKKHIGQAKIFFSVRPGTSSKIF

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

OR6K2

Full Name

Olfactory receptor family 6 subfamily K 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

OR6K2; OR1-17; olfactory receptor 6K2; olfactory receptor OR1-17; Olfactory receptor family 6 subfamily K member 2

Gene ID

81448

UniProt ID

Q8NGY2