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 OR6K3 (Olfactory receptor family 6 subfamily K member 3) Full Length

Cat. No.: **MPC2104K**
This product is for research use only and is not intended for diagnostic use.

This product is a 37.3 kDa Human OR6K3 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
OR6K3

Protein Length
Full length

Protein Class
GPCR

Molecular Weight
37.3 kDa

TMD
7

Sequence
MCWTMPSPFTGSSTRNMESGNQSTVTEFIFTGFPQLQDGSLLYFFPLLFI
YTFIIIDNLLIFSAVRLDTHLHNPMYNFISIFSFLEIWYTTATIPKMLSN
LISEKKAISMTGCILQMYFFHSLENSEGILLTTMAIDRYVAICNPLRYQM
IMTPRLCAQLSAGSCLFGFLILLPEIVMISTLPFCGPNQIHQIFCDLVPV
LSLACTDTSMILIEDVIHAVTIIITFLIIALSYVRIVTVILRIPSSEGRQ
KAFSTCAGHLMVFPIFFGSVSLMYLRFSDTYPPVLDTAIALMFTVLAPFF
NPIIYSLRNKDMNNAIKKLFCLQKVLNKPGG

Product Description

Expression Systems
Baculovirus/Insect expression system

Tag
Based on specific requirements

Protein Format

Detergent or based on specific requirements

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

OR6K3

Full Name

Olfactory receptor family 6 subfamily K member 3

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

OR6K3; OR1-18; olfactory receptor 6K3; olfactory receptor OR1-18; seven transmembrane helix receptor; Olfactory receptor family 6 subfamily K member 3

Gene ID

391114

UniProt ID

Q8NGY3