

# Product Information

## MemDX™ Membrane Protein Human OR2J3 (Olfactory receptor family 2 subfamily J member 3) Full Length

Cat. No.: **MPC4730K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human OR2J3 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

OR2J3

#### Protein Length

Full length

#### Protein Class

GPCR

#### TMD

7

#### Sequence

MNDDGKVNASSEGYFILVGFSNWPHEVVIFVVVLIFYLMTLIGNLFIII  
LSYLDShLHTPMYFFLSNLSFLDLCYTTSSIPQLLVNLWGPEKTISYAGC  
MIQLYFVLALGTTECVLLVMSYDRYAACRPLHYTVLMHPRFCHLLAVA  
SWVSGFTNSALHSSFTFWVPLCGHRQVDHFFCEVPALLRLSCVDTHVNEL  
TLMITSSIFVLIPLILILTSYGAIVRAVLRMQSTTGLQKVFGTCGAHLMA  
VSLFFIPAMCIYLQPPSGNSQDQGKFIALFYTVVTPSLNPLIYTLRNKVV  
RGAVKRLMGWE

### 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**

OR2J3

**Full Name**

Olfactory receptor family 2 subfamily J member 3

**Introduction**

This gene encodes a G-protein-coupled receptor (GPCR) that functions as an olfactory receptor. Olfactory receptors interact with odorant molecules in the nose to initiate a neuronal response that triggers the perception of a smell. The protein encoded by this gene responds to cis-3-hexen-1-ol, which is released by wounded plants, including cut grass. This gene is situated in a cluster of similar olfactory-receptor coding genes on chromosome 6.

**Alternative Names**

OR2J3; 6M1-3; OR6-6; C3HEXS; OR6-16; ORL671; HS6M1-3; OR6.3.6; olfactory receptor 2J3; olfactory receptor 6-6; olfactory receptor OR6-16; Olfactory receptor family 2 subfamily J member 3

**Gene ID**

[442186](#)

**UniProt ID**

[O76001](#)