

## Product Information

### MemDX™ Membrane Protein Human OR5D16 (Olfactory receptor family 5 subfamily D member 16) for Antibody Discovery

Cat. No.: **MP0927X**

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

This product is a 63.7 kDa Human OR5D16 membrane protein expressed in *in vitro* wheat germ 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

OR5D16

##### Protein Length

Full-length

##### Molecular Weight

63.7 kDa

##### TMD

7

##### Sequence

MFLTERNTTSEATFTLLGFSDYDYLELQIPLFFVFLAVYGFSVVGNLGMIVI~~KINPKLHTPMYFFLNHLSFVDFCYSSIAPMMLVNLVVED~~

#### Product Description

##### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

##### Expression Systems

*in vitro* wheat germ expression system

##### Tag

GST-tag at N-terminal

##### Form

Liquid

##### Purification

## Glutathione Sepharose 4 Fast Flow

### Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

### Storage

Store at +4°C for up to one week or several months at -80°C

## Target

### Target Protein

OR5D16

### Full Name

Olfactory receptor family 5 subfamily D member 16

### 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

OR11-154; olfactory receptor 5D16; olfactory receptor OR11-154

### Gene ID

[390144](#)

### UniProt ID

[Q8NGK9](#)