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# Product Information

## MemDX™ Membrane Protein Human OR52B2 (Olfactory receptor family 52 subfamily B member 2) for Antibody Discovery

Cat. No.: **MP0751X**
This product is for research use only and is not intended for diagnostic use.

This product is a 62.6 kDa Human OR52B2 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**
OR52B2

**Protein Length**
Full-length

**Molecular Weight**
62.6 kDa

**TMD**
7

**Sequence**
MSHTNVTIFHPAVFVLPGIPGLEAYHIWLSIPLCLIYITAVLGNSILIVVIVMERNLHVPMYFFLSMLAVMDILLSTTTVPKALAIFWLQAH

## 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**

OR52B2

**Full Name**

Olfactory receptor family 52 subfamily B 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**

OR11-70

**Gene ID**

255725

**UniProt ID**

Q96RD2

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