

# Product Information

## MemDX™ Membrane Protein Human R5K1 (Olfactory receptor family 5 subfamily K member 1) for Antibody Discovery

Cat. No.: **MP0932X**

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

This product is a 60.82 kDa Human R5K1 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

R5K1

#### Protein Length

Full-length

#### Molecular Weight

60.82 kDa

#### TMD

7

#### Sequence

MAEENHTMKNEFILTGFTHPELKTLLFVFFAIYLITVVGNI SLVALIFTHRR LHTPMYIFLG N LALVDSCCAITPKMLENFFSENK

### 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**

R5K1

**Full Name**

Olfactory receptor family 5 subfamily K member 1

**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**

OR3-8; HTPCRX10; HSHTPCRX10; olfactory receptor 5K1; olfactory receptor OR3-8

**Gene ID**

[26339](#)

**UniProt ID**

[Q8NHB7](#)