



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Datasheet

### OR2A12 (Human) Recombinant Protein (P01)

**Catalog Number:** H00346525-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human OR2A12 full-length ORF (NP\_001004135.1, 1 a.a. - 310 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MESNQTWITEVILLGFQVDPALELFLFGFFLLFYSLTLM  
GNGIILGLIYLDLRLHTPMYVFLSHLAIVDMSYASSTVP  
KMLANLVMHKKVISFAPCILQTFLYLAFATECLILVMMC  
YDRYVAICHPLQYTLIMNWRVCTVLASTCWIFSLLALV  
HITLILRPLFCGPQKINHFFCQIMSVFKLACADTRLNQV  
VLFAGSAFILVGPLCLVLVSYLHILVAILRIQSGEGRRKA  
FSTCSSHLCVVGLFFGSAIVMYMAPKSSHSQERRKILS  
LFYSLFNPILNPLIYSLRNAEVKGAALKRVLWKQRSM

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 61.6

**Interspecies Antigen Sequence:** Mouse (86)

**Applications:** AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 346525

**Gene Symbol:** OR2A12

**Gene Alias:** OR2A12P, OR2A16P

**Gene Summary:** 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. [provided by RefSeq]