

## Recombinant Human OR2H1 293 Cell Lysate

**Cat. No.** OR2H1-3563HCL    **Lot. No.** (See product label)

### SPECIFICATION

|                            |   |
|----------------------------|---|
| <b>Species</b>             | Human   |
| <b>Source</b>              | HEK293  |
| <b>Description</b>         | Antigen standard for olfactory receptor, family 2, subfamily H, member 1 (OR2H1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.  |
| <b>Components</b>          | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| <b>Size</b>                | 0.1 mg  |
| <b>Storage Instruction</b> | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.   |
| <b>Applications</b>        | ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the   |

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

**Gene Name** OR2H1 olfactory receptor, family 2, subfamily H, member 1 [ Homo sapiens ]

**Official Symbol** OR2H1

**Synonyms** OR2H1; olfactory receptor, family 2, subfamily H, member 1; olfactory receptor, family 2, subfamily H, member 8 , OR2H6, OR2H8; olfactory receptor 2H1; OR6 2; OLF42A-9004.14/9026.2; olfactory receptor 2H6; olfactory receptor 2H8; olfactory receptor 6-2; olfactory receptor OR6-32; olfactory receptor, family 2, subfamily H, member 6; olfactory receptor, family 2, subfamily H, member 8; OR2H6; OR2H8; OR6-2; 6M1-16; HS6M1-16; dJ994E9.4; OLF42A-9004-14;

**Gene ID** 26716

**mRNA Refseq** NM\_030883

**Protein Refseq** NP\_112145

**UniProt ID** Q9GZK4

**Chromosome Location** 6p21.32

**Pathway** GPCR downstream signaling, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Olfactory Signaling Pathway, organism-specific biosystem; Olfactory transduction, organism-specific biosystem; Olfactory transduction, conserved biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;

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**Function**

G-protein coupled receptor activity; olfactory receptor activity; receptor activity; signal transducer activity;

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