

Recombinant Human OR2L2 293 Cell Lysate

Cat. No. OR2L2-3561HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for olfactory receptor, family 2, subfamily L, member 2 (OR2L2) 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.
Components	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).
Size	0.1 mg
Storage Instruction	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.

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Applications

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

GENE INFORMATION
Gene Name

OR2L2 olfactory receptor, family 2, subfamily L, member 2 [Homo sapiens]

Official Symbol

OR2L2

Synonyms

OR2L2; olfactory receptor, family 2, subfamily L, member 2; OR2L4P, OR2L12; olfactory receptor 2L2; HSHTPCRH07; HTPCRH07; olfactory receptor 2L4; olfactory receptor 2L12; olfactory receptor OR1-48 pseudogene; olfactory receptor, family 2, subfamily L, member 12; olfactory receptor, family 2, subfamily L, member 4 pseudogene; OR1-48; OR2L12; OR2L4P;

Gene ID

26246

mRNA Refseq

NM_001004686

Protein Refseq

NP_001004686

UniProt ID

Q8NH16

**Chromosome
Location**

1q44

Pathway

GPCR downstream signaling, 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; molecular_function; olfactory receptor activity; receptor activity; signal transducer activity;

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