

Recombinant Human OR2A4 293 Cell Lysate

Cat. No. OR2A4-3565HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for olfactory receptor, family 2, subfamily A, member 4 (OR2A4) 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 OR2A4 olfactory receptor, family 2, subfamily A, member 4 [Homo sapiens]

Official Symbol OR2A4

Synonyms OR2A10

Gene ID 79541

mRNA Refseq NM_030908.1

Protein Refseq NP_112170.1

UniProt ID O95047

Chromosome Location 6q23

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

Function G-protein coupled receptor activity;olfactory receptor activity;

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