

Recombinant Human OR2K2 293 Cell Lysate

Cat. No. OR2K2-3562HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for olfactory receptor, family 2, subfamily K, member 2 (OR2K2) 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

OR2K2 olfactory receptor, family 2, subfamily K, member 2 [Homo sapiens]

Official Symbol

OR2K2

Synonyms

OR2K2; olfactory receptor, family 2, subfamily K, member 2; OR2AR1P; olfactory receptor 2K2; HSHTPCRHO6; HTPCRHO6; olfactory receptor OR9-17; olfactory receptor, family 2, subfamily AN, member 1 pseudogene; olfactory receptor, family 2, subfamily AR, member 1 pseudogene; OR2AN1P; MGC133152;

Gene ID

26248

mRNA Refseq

NM_205859

Protein Refseq

NP_995581

UniProt ID

Q8NGT1

Chromosome Location

9q31.3

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; olfactory receptor activity; receptor activity; signal transducer activity;

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