

Recombinant Human OR2F1 293 Cell Lysate

Cat. No. OR2F1-3564HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for olfactory receptor, family 2, subfamily F, member 1 (OR2F1) 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

OR2F1 olfactory receptor, family 2, subfamily F, member 1 [Homo sapiens]

Official Symbol

OR2F1

Synonyms

OR2F1; olfactory receptor, family 2, subfamily F, member 1; OR2F3, OR2F3P, OR2F4, OR2F5; olfactory receptor 2F1; OLF3; OR7 139; OR7 140; OR14 60; olfactory receptor 2F3; olfactory receptor 2F4; olfactory receptor 2F5; olfactory receptor OR7-7; olfactory receptor-like protein OLF3; olfactory receptor, family 2, subfamily F, member 3; olfactory receptor, family 2, subfamily F, member 4; olfactory receptor, family 2, subfamily F, member 5; OR2F3; OR2F4; OR2F5; OR2F3P; OR14-60; OR7-139; OR7-140;

Gene ID

26211

mRNA Refseq

NM_012369

Protein Refseq

NP_036501

MIM

608497

UniProt ID

Q13607

**Chromosome
Location**

7q35

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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; receptor activity; signal transducer activity;

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