

Recombinant Human OR2C1 cell lysate

Cat. No. OR2C1-1252HCL Lot. No. (See product label)

SPECIFICATION

Species

Human

Description

Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms.

Size

100 ul

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications

Western Blot;

GENE INFORMATION

Gene Name

OR2C1 olfactory receptor, family 2, subfamily C, member 1 [Homo sapiens]

Official Symbol

OR2C1

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Synonyms	OR2C1; olfactory receptor, family 2, subfamily C, member 1; OR2C2P; olfactory receptor 2C1; OLFmf3; olfactory receptor 2C2; olfactory receptor OR16-1; olfactory receptor OR16-2; olfactory receptor, family 2, subfamily C, member 2 pseudogene; MGC95444; MGC163200;
Gene ID	4993
mRNA Refseq	NM_012368
Protein Refseq	NP_036500
UniProt ID	O95371
Chromosome Location	16p13.3
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;
Function	G-protein coupled receptor activity; olfactory receptor activity; receptor activity; signal transducer activity;

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