Recombinant Human OR51E2 293 Cell Lysate

Cat. No. OR51E2-3558HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for olfactory receptor, family 51, subfamily E, member 2 (OR51E2) 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	OR51E2 olfactory receptor, family 51, subfamily E, member 2 [Homo sapiens]
Official Symbol	OR51E2
Synonyms	PSGR; OR52A2; OR51E3P
Gene ID	81285
mRNA Refseq	NM_030774.3
Protein Refseq	NP_110401.1
MIM	611268
UniProt ID	Q9H255
Chromosome Location	11p15
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;
Function	G-protein coupled receptor activity;olfactory receptor activity;

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