

Recombinant Human TAS1R1 293 Cell Lysate

Cat. No. TAS1R1-1249HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for taste receptor, type 1, member 1 (TAS1R1), transcript variant 3 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	TAS1R1 taste receptor, type 1, member 1 [Homo sapiens]
Official Symbol	TAS1R1
Synonyms	TAS1R1; taste receptor, type 1, member 1; G protein coupled receptor 70 , GPR70; taste receptor type 1 member 1; T1R1; TR1; G protein-coupled receptor 70; G-protein coupled receptor 70; seven transmembrane helix receptor; GM148; GPR70;
Gene ID	80835
mRNA Refseq	NM_138697
Protein Refseq	NP_619642
MIM	606225
UniProt ID	Q7RTX1
Chromosome Location	1p36.23
Pathway	Class C/3 (Metabotropic glutamate/pheromone receptors), organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem; Taste transduction, organism-specific biosystem; Taste transduction, conserved biosystem;

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