Recombinant Human TAS1R2 293 Cell Lysate

Cat. No. TAS1R2-1248HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for taste receptor, type 1, member 2 (TAS1R2) 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	TAS1R2 taste receptor, type 1, member 2 [Homo sapiens]
Official Symbol	TAS1R2
Synonyms	TAS1R2; taste receptor, type 1, member 2; G protein coupled receptor 71 , GPR71; taste receptor type 1 member 2; T1R2; TR2; sweet taste receptor T1R2; G protein-coupled receptor 71; G-protein coupled receptor 71; GPR71;
Gene ID	80834
mRNA Refseq	NM_152232
Protein Refseq	NP_689418
MIM	606226
UniProt ID	Q8TE23
Chromosome Location	1p36.13
Pathway	Carbohydrate digestion and absorption, organism-specific biosystem; Carbohydrate digestion and absorption, conserved biosystem; Class C/3 (Metabotropic glutamate/pheromone receptors), organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Signal Transduction, organism-specific biosystem;

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	Signaling by GPCR, organism-specific biosystem; Taste transduction, organism-specific biosystem;

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