Recombinant Human TAS1R3 HEK293T cell lysate

Cat. No. TAS1R3-18HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human TAS1R3 over-expression lysate was derived from Human HEK293T cell line.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a G-protein coupled receptor involved in taste responses. The encoded protein can form a heterodimeric receptor with TAS1R1 to elicit the umami taste response, or it can bind with TAS1R2 to form a receptor for the sweet taste response.
Form	The cell lysate is provided in RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na3VO4).
Molecular Mass	93.3 kDa
Usage	1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer 1 vial of 100 µg empty vector transfected control cell lysate in RIPA buffer 1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT)
Storage	The lysate is shipped with dry ice. Upon receiving, store the sample at -20centigrade. Lysate samples are stable for 12 months from date of receipt when stored at -20centigrade. Avoid repeated freeze-thaw cycles.

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	Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20centigrade for long term storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	TAS1R3 taste receptor, type 1, member 3 [Homo sapiens]
Official Symbol	TAS1R3
Synonyms	TAS1R3; taste receptor, type 1, member 3; taste receptor type 1 member 3; T1R3; sweet taste receptor T1R3;
Gene ID	83756
mRNA Refseq	NM_152228
Protein Refseq	NP_689414
MIM	605865
UniProt ID	Q7RTX0
Chromosome Location	1p36
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; Signaling by GPCR, organism-specific biosystem; Taste transduction, organism-

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	specific biosystem;
Function	protein heterodimerization activity; receptor activity; signal transducer activity; contributes_to sweet taste receptor activity; taste receptor activity; contributes_to taste receptor activity;

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