

Human Taste Receptor Type 1 Member 2 (TAS1R2) ELISA Kit | TAS1R2 elisa kit

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CATALOG #
AAA330697

REACTIVITY
Human

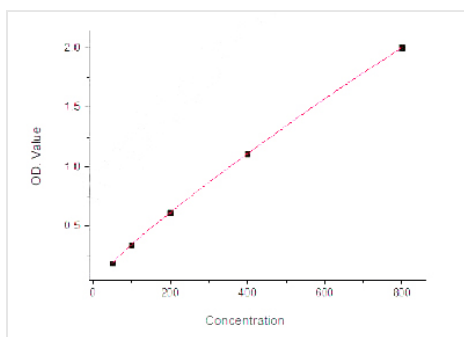
PRODUCT SYNONYMS

Taste Receptor Type 1 Member 2 (TAS1R2); Human Taste Receptor Type 1 Member 2 (TAS1R2) ELISA Kit; TAS1R2; GPR71; T1R2; TR2; G protein-coupled receptor 71; TAS1R2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	839
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TAS1R2 elisa kit

Principle of the Assay: Human Taste Receptor Type 1 Member 2 (TAS1R2) ELISA Kit employs a two-site sandwich ELISA to quantitate TAS1R2 in samples. An antibody specific for TAS1R2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TAS1R2 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human TAS1R2 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of TAS1R2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: Taste receptor type 1 member 2 (TAS1R2) is a G protein-coupled receptor with seven trans-membrane domains and is a component of the heterodimeric amino acid taste receptor T1R2+3. TAS1R2 is formed as a dimer of the TAS1R2 and TAS1R3 proteins. Moreover, the TAS1R2 protein is not functional without formation of the 2+3 heterodimer. Another interesting quality of the TAS1R2 and TAS1R1 genes is their spontaneous activity in the absence of the extracellular domains and binding ligands. This may mean that the extracellular domain regulates function of the receptor by preventing spontaneous action as well as binding to activating ligands such as sucrose.

NCBI AND UNIPROT INFORMATION

NCBI GI #	112789566
NCBI GeneID	80834
NCBI Accession #	NP_689418.2
NCBI GenBank Nucleotide #	NP_689418.2
UniProt Accession #	Q8TE23
NCBI Official Full Name	taste receptor type 1 member 2
NCBI Official Synonym Full Names	taste 1 receptor member 2
NCBI Official Symbol	TAS1R2
NCBI Official Synonym Symbols	TR2; T1R2; GPR71
NCBI Protein Information	taste receptor type 1 member 2
UniProt Protein Name	Taste receptor type 1 member 2
UniProt Gene Name	TAS1R2
UniProt Synonym Gene Names	GPR71; T1R2; TR2
UniProt Entry Name	TS1R2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/taste-receptor-type-1-member-2-tas1r2/330697>