

Human Taste Receptor Type 2 Member 38 (TAS2R38) ELISA Kit | TAS2R38 elisa kit

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CATALOG #
AAA330710

REACTIVITY
Human

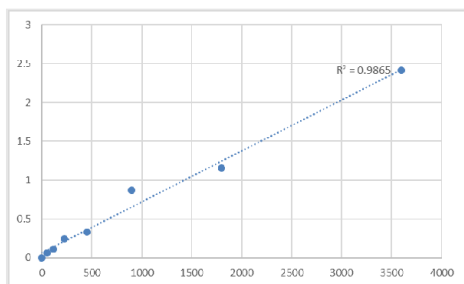
PRODUCT SYNONYMS

Taste Receptor Type 2 Member 38 (TAS2R38); Human Taste Receptor Type 2 Member 38 (TAS2R38) ELISA Kit; TAS2R38; tcag7.360; PTC; T2R61; TAS2R38 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Taste receptor type 2 member 38 (TAS2R38) ELISA Kit has high sensitivity and excellent specificity for detection of Human TAS2R38. No significant cross-reactivity or interference between Human TAS2R38 and analogues was observed.
Sequence Length	333
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Taste receptor type 2 member 38 (TAS2R38) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TAS2R38 elisa kit	Description: This Human Taste receptor type 2 member 38 (TAS2R38) ELISA Kit employs a two-site sandwich ELISA to quantitate TAS2R38 in samples. An antibody specific for TAS2R38 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TAS2R38 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TAS2R38 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TAS2R38 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Taste receptor type 2 member 38 (TAS2R38) encodes a seven-transmembrane G protein-coupled receptor that controls the ability to taste glucosinolates, a family of bitter-tasting compounds found in plants of the Brassica sp. Synthetic compounds phenylthiocarbamide (PTC) and 6-n-propylthiouracil (PROP) have been identified as ligands for this receptor and have been used to test the genetic diversity of TAS2R38. Although several allelic forms of TAS2R38 have been identified worldwide, there are two predominant common forms (taster and non-taster) found outside of Africa. These alleles differ at three nucleotide positions resulting in amino acid changes in the protein (A49P, A262V, and V296I) with the amino acid combination PAV identifying the taster variant (and AVI identifying the non-taster variant).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	261490645
NCBI GeneID	5726
NCBI Accession #	NP_789787.4
NCBI GenBank Nucleotide #	NP_789787.4
UniProt Accession #	P59533
NCBI Official Full Name	taste receptor type 2 member 38
NCBI Official Synonym Full Names	taste 2 receptor member 38
NCBI Official Symbol	TAS2R38
NCBI Official Synonym Symbols	PTC; T2R38; T2R61; TH1OT
NCBI Protein Information	taste receptor type 2 member 38
UniProt Protein Name	Taste receptor type 2 member 38
UniProt Gene Name	TAS2R38
UniProt Synonym Gene Names	PTC; T2R38; T2R61

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-2-member-38-tas2r38/330710>