

## Human Taste Receptor Type 2 Member 31 (TAS2R31) ELISA Kit | TAS2R31 elisa kit

Human Taste Receptor Type 2 Member 31 (TAS2R31) ELISA Kit

CATALOG #  
**AAA330709**

REACTIVITY  
**Human**

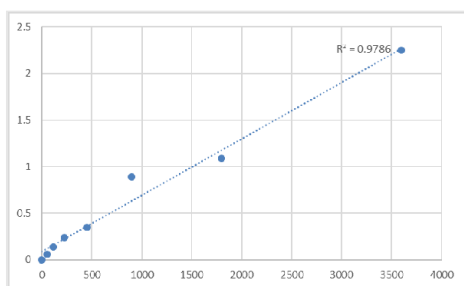
### PRODUCT SYNONYMS

Taste Receptor Type 2 Member 31 (TAS2R31); Human Taste Receptor Type 2 Member 31 (TAS2R31) ELISA Kit; TAS2R31; T2R31; T2R44; T2R53; TAS2R44; taste receptor; type 2; member 44; TAS2R31 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Taste receptor type 2 member 31 (TAS2R31) ELISA Kit has high sensitivity and excellent specificity for detection of Human TAS2R31. No significant cross-reactivity or interference between Human TAS2R31 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sequence Length         | 309                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**Standard Curve (Sample)**

Fig.1. Human Taste receptor type 2 member 31 (TAS2R31) Standard Curve.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for TAS2R31 elisa kit | <p>Description: This Human Taste receptor type 2 member 31 (TAS2R31) ELISA Kit employs a two-site sandwich ELISA to quantitate TAS2R31 in samples. An antibody specific for TAS2R31 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TAS2R31 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TAS2R31 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 TAS2R31 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: Taste receptor type 2 member 31 (TAS2R31) belongs to the large TAS2R receptor family. TAS2Rs are expressed on the surface of taste receptor cells and mediate the perception of bitterness through a G protein-coupled second messenger pathway.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|---------------------------------|
| NCBI GI #                        | 116235454                       |
| NCBI GeneID                      | 259290                          |
| NCBI Accession #                 | NP_795366.2                     |
| NCBI GenBank Nucleotide #        | NP_795366.2                     |
| UniProt Accession #              | P59538                          |
| NCBI Official Full Name          | taste receptor type 2 member 31 |
| NCBI Official Synonym Full Names | taste 2 receptor member 31      |
| NCBI Official Symbol             | TAS2R31                         |
| NCBI Official Synonym Symbols    | T2R31; T2R44; T2R53; TAS2R44    |
| NCBI Protein Information         | taste receptor type 2 member 31 |
| UniProt Protein Name             | Taste receptor type 2 member 31 |
| UniProt Gene Name                | TAS2R31                         |
| UniProt Synonym Gene Names       | TAS2R44; T2R31; T2R44; T2R53    |
| UniProt Entry Name               | T2R31_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-2-member-31-tas2r31/330709>