

PRODUCT INFORMATION

C-Flag Tag Tag TAS1R3 **Target Synonyms** T1R3

Human TAS1R3 full length protein-synthetic **Description**

nanodisc **Delivery** In Stock **Uniprot ID** Q7RTX0 **Expression Host HEK293**

Protein Families Transmembrane **Protein Pathways** Taste transduction

The human full length TAS1R3 protein has a MW **Molecular Weight**

of 93.4 kDa Lyophilized from nanodisc solubilization buffer (20

mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution for specific instructions. Do not use solvents with

a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

témperature.

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.

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Usage Research use only Conjugate Unconjugated

Background





ELISA assay to evaluate TAS1R3-Nanodisc 0.2μg Human TAS1R3-Nanodisc per well

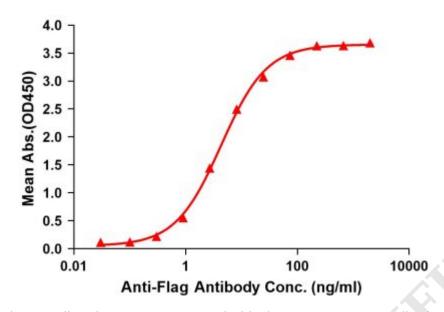


Figure 1. Elisa plates were pre-coated with Flag Tag TAS1R3-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with TAS1R3-Nanodisc is 4.332ng/ml.

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Figure 2. Human TAS1R3-Nanodisc, Flag Tag on SDS-PAGE

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