

PRODUCT INFORMATION

Tag	C-Flag Tag
Target	TAS1R3
Synonyms	T1R3
Description	Human TAS1R3 full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	Q7RTX0
Expression Host	HEK293
Protein Families	Transmembrane
Protein Pathways	Taste transduction
Molecular Weight	The human full length TAS1R3 protein has a MW of 93.4 kDa
Formulation & Reconstitution	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 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.
Storage&Shipping	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 at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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.
Usage	Research use only
Conjugate	Unconjugated

Figure1. Elisa plates were pre-coated with Flag Tag TAS1R3-Nanodisc (0.2µg/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. Figure2. Human TAS1R3-Nanodisc, Flag Tag on SDS-PAGE

