

## **PRODUCT INFORMATION**

riable \$hasAttributeValueDescription in C:\www.root\mirror.dimabio.com\wp-content\plugins\woocommerce-print-woocommerce-print-products-public.php on line 2806

PTC; T2R38; T2R61; THIOT

Human TAS2R38-Strep full length protein-synthetic nanodisc

Delivery Uniprot ID P59533 HEK293 **Expression Host** 

Protein Families Druggable Genome, GPCR, Transmembrane

Protein Pathways Taste transduction

Molecular Weigh The human full length TAS2R38-Strep protein has a MW of 37.9 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 of reconstitution.

Storage & Shipping

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. To to intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized prom. 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. A seven-transmembrane G protein-coupled receptor that controls the ability to taste glucosinolates, a family of bitter-tasting compounds found in plant of the Brassica Sp. Synthetic compounds phenylthiocarbamide (PTC) and 6-n-propylthiouracil (PROP) have been identified as lignands for this receptor and have been used to test the genetic diversity of this gene. Although several allelic forms of this gene have been identified worldwide, there are two predominant common forms (taster and non-taster) found outside of Africa. These allelies differ at three nucleud positions resulting in animo acid combination PAV identifying the taster variant (and AVI identifying the non-taster).

Usage Research use only Conjugate Unconjugated

## **ELISA assay to evaluate TAS2R38-Strep-Nanodisc** 0.2µg Human TAS2R38-Strep-Nanodisc per well

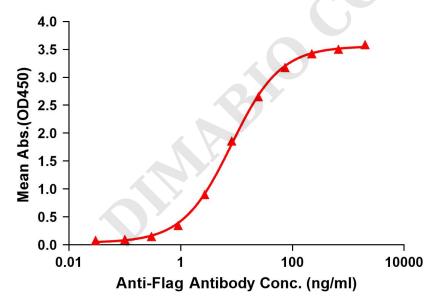
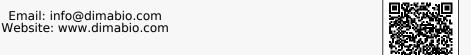


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag TAS2R38-Strep-Nanodisc ( $0.2\mu g/per$  well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with TAS2R38-Strep-nanodisc is 8.159ng/ml.





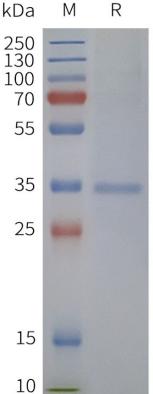


Figure 2. Human TAS2R38-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

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