SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

NativeExtract™ Human TAS2R38 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX40**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human TAS2R38 protein in native nanodisc form. The synthetic compound we developed can solubilize the TAS2R38 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
TAS2R38

Protein Length
Full length

Molecular Weight
37.9kDa

Sequence
Accession # P59533

Product Description

Activity
Yes

Application
ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems
HEK293 expression system

Tag
Flag tag at the C-terminus

Protein Format
Native Nanodisc

Form
Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -80°C.

Target

Target Protein

TAS2R38

Full Name

Taste 2 receptor member 38

Introduction

This gene 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 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 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).

Alternative Names

PTC; T2R38; T2R61; THIOT; taste receptor type 2 member 38; PTC bitter taste receptor; taste receptor type 2 member 61; taste receptor, type 2, member 38; TAS2R38; Taste 2 receptor member 38

Gene ID

5726

UniProt ID

P59533

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com