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Product Information

NativeExtract™ Human TAS2R5 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX34**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human TAS2R5 protein in native nanodisc form. The synthetic compound we developed can solubilize the TAS2R5 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
TAS2R5

Protein Length
Full length

Molecular Weight
34.5kDa

Sequence
Accession # Q9NYW4

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

TAS2R5

Full Name

Taste 2 receptor member 5

Introduction

This gene encodes a bitter taste receptor; bitter taste receptors are members of the G protein-coupled receptor superfamily and are specifically expressed by taste receptor cells of the tongue and palate epithelia. Each of these apparently intronless taste receptor genes encodes a 7-transmembrane receptor protein, functioning as a bitter taste receptor. This gene is clustered with another 3 candidate taste receptor genes on chromosome 7 and is genetically linked to loci that influence bitter perception.

Alternative Names

T2R5; taste receptor type 2 member 5; taste receptor, type 2, member 5; TAS2R5; Taste 2 receptor member 5

Gene ID

54429

UniProt ID

Q9NYW4

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