

Product Information

MemDX™ Membrane Protein Human TAS1R3 (Taste 1 receptor member 3) Full Length

Cat. No.: **MPC0259K**

This product is for research use only and is not intended for diagnostic use.

This product is a 93.3 kDa Human TAS1R3 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

TAS1R3

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

93.3 kDa

TMD

7

Sequence

MLGPAVLGLSLWALLHPGTGAPLCLSQQLRMKGDYVLGGLFPLGEAEEAG
LRSRTRPSSPVCTRFSSNGLLWALAMKMAVEEINNKSDDLPGRLRGYDLF
DTCSEPVVAMKPSLMFLAKAGSRDIAAYCNYTQYQPRVLAVIGPHSSELA
MVTGKFFSFFLMPQVSYGASMELLSARETFPSFFRTVPSDRVQLTAAAE
LQEFGWNNWVAALGSDDEYGRQGLSIFSALAAARGICIAHEGLVPLPRADD
SRLGKVQDVLHQVNQSSVQVLLFASVHAAHALFNYSISSRLSPKVWVAS
EAWLTSDLVMGLPGMAQMGTVLGFLQRGALHEFPQYVKTHLALATDPAF
CSALGEREQGLEEDVVGQRCPQCDCITLQNVSAGLNHHQTFSVYAAVYSV
AQALHNTLQCNASGCPAQDPVKPWQLLENMYNLTFFHVGGLPLRFDSSGNV
DMEYDLKLWVWQGSVPRLHDVGRFNGSLRTERLKIRWHTSDNQKPVSRCS
RQCQEGQVRRVKGFHSCCYDCVDCEAGSYRQNPDDIACFCGQDEWSPER
STRCFRRRSRFLAWGEPVLLLLLLLLSLALGLVLAALGLFVHHRDSPLVQ
ASGGPLACFGLVCLGLVCLSVLLFPGQPSPARCLAQQPLSHLPLTGCLST
LFLQAAEIFVESELPLSWADRLSGCLRGPWAWLVVLLAMLVEVALCTWYL
VAFPPEVVTDWHMLPTEALVHCRTRSWVSFGLAHATNATLAFLCFLGTFL
VRSQPGCYNRARGLTFAMLAYFITWVSFVPLLANVQVLRPAVQMGAALL
CVLGILAAFHLPRLCYLLMRQPGLNTPFFLGGPGDAQGQNDGNTGNQ GK
HE

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

TAS1R3

Full Name

Taste 1 receptor member 3

Introduction

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.

Alternative Names

T1R3; taste receptor type 1 member 3; sweet taste receptor T1R3; taste receptor, type 1, member 3; TAS1R3; Taste 1 receptor member 3

Gene ID

[83756](#)

UniProt ID

[Q7RTX0](#)