

Recombinant Human TAS1R3 Protein, ECD Domain, N-His tagged

Cat. No. TAS1R3-771H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TAS1R3 (ECD Domain) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	ECD Domain
Description	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.
Molecular Mass	62 kDa
AA Sequence	MHHHHHHHHAPLCLSQQLRMKGDYVLGGLFPLGEAEEAGLSRTRPSSPVCTRFS SNGLLWALAMKMAVEEINNKS DLLPGLRLGYDLFDTCSEPVVAMKPSLMFLAKAGS RDIAAYCNYTQYQPRVLAVIGPHSSELAMVTGKFFSFFLMPQVSYGASMELLSARET FPSFFRTVPSDRVQLTAAAE LLQEF GWNWVAALGSDDEYGRQGLSIFSALAAARGI CIAHEGLVPLPRADDSRLGKVQDVLHQVNQSSVQVLLFASVHAAHALFNYSISSRL SPKVVWASEAWLTSDLVMGLPGMAQMGTVLGFLQRG AQLHEFPQYVKTHLALATD PAFCSALGEREQGLEEDVVGQRCPQCDCITLQNVSAGLNHHQTFSVYAAVYSVAQ ALHNTLQCNASGCPAQDPVKPWQLLENMYNLTFHVGGLPLRFDSSGNVDMEYDLK LWWQGSVPRLHDVGRFNGSLRTERLKIRWHTSDNQKPVSRC SRQCQEGQVRRV

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KGFHSCCYDCVDCEAGSYRQNPDDIACTFCGQDEWSPERSTRCFRRRSRFLAWG
EPAVL

Purity > 90% as determined by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.17 mg/mL

Storage Buffer Sterile 50mM Tris, 200mM NaCl, 1mM EDTA, 1mM DTT, pH 8.0

GENE INFORMATION

Gene Name TAS1R3 taste receptor, type 1, member 3 [Homo sapiens (human)]

Official Symbol TAS1R3

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

Gene ID 83756

mRNA Refseq NM_152228

Protein Refseq NP_689414

MIM 605865

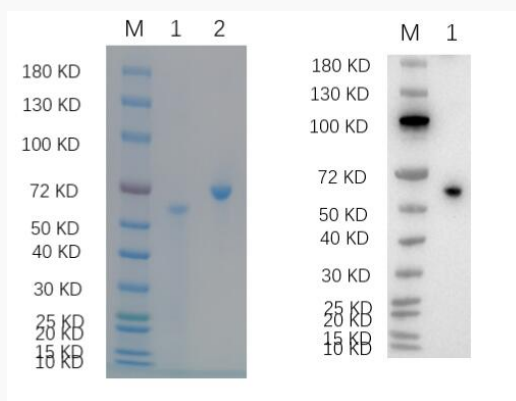
UniProt ID Q7RTX0

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**Reducing 12% SDS-
PAGE (CBB stained)
and WB (Anti-His
Mouse Monoclonal
Antibody) analysis
profiles of purified
TAS1R3**



1. TAS1R3
2. BSA

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