

Product datasheet for **TP312370M**

TAS1R1 (NM_177540) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human taste receptor, type 1, member 1 (TAS1R1), transcript variant 3, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212370 representing NM_177540 Red =Cloning site Green =Tags(s)

MLLCTARLVGLQLLISCCWAFACHSTESSPDFTLPGDYLLAGLFPPLHSGCLQVRHRPEVTLCDRSCSFNE
HGYHLFQAMRLGVEEINNSTALLPNITLGYQLYDVCSANVYATLRVLSLPGQHHEIQLQGDLLHYSPTV
LAVIGPDSTNRAATTAALLSPFLVPMLEQIHKVHFLHKDTVAFNDNRDPLSSYNIIAWDWNGPKWTFT
VLGSSWSPVQLNINETKIQWHGKDNQVPKSVCSDDCLEGHQQRVVTGFHHCCFECVPCGAGTFLNKSDLY
RCQPCGKEEWAPEGSQTCFPRTVVFLALREHTSWVLLAANTLLLLLLGTAGLFAWHLDPVVRSAAGRL
CFLMLGSLAAGSGSLYGGFFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKFSTKVPFTFYHAWV
QNHGAGLFVMISSAAQLLICLTWLWVWTPLPAREYQRFPHLVMLECTETNSLGFILAFLYNGLLSISAF
CSYLGKDLPENYNEAKCVTFSLLFNFVSWIAFFTTASVYDGGKYLPAANMMAGLSSLSGGFVFLPKCYV
ILCRPDLNSTEHFQASIQDYTRRCGST

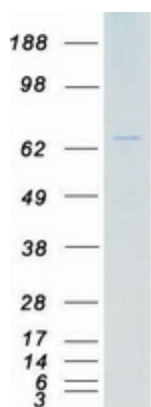
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	65 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_803884
Locus ID:	80835
UniProt ID:	Q7RTX1 , A8K7J9
RefSeq Size:	1945
Cytogenetics:	1p36.31
RefSeq ORF:	1761
Synonyms:	GM148; GPR70; T1R1; TR1
Summary:	The protein encoded by this gene is a G protein-coupled receptor and is a component of the heterodimeric amino acid taste receptor T1R1+3. The T1R1+3 receptor responds to L-amino acids but not to D-enantiomers or other compounds. Most amino acids that are perceived as sweet activate T1R1+3, and this activation is strictly dependent on an intact T1R1+3 heterodimer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Taste transduction

Product images:

Coomassie blue staining of purified TAS1R1 protein (Cat# [TP312370]). The protein was produced from HEK293T cells transfected with TAS1R1 cDNA clone (Cat# [RC212370]) using MegaTran 2.0 (Cat# [TT210002]).