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Product datasheet for TP762333

TAS1R3 (NM_152228) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human taste receptor, type 1, member 3 (TAS1R3), Leu354-Trp564, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Leu354-Trp564) of TAS1R3
Tag:	N-His
Predicted MW:	24.2 kDa
Concentration:	>0.05 μg/μL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
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 after receiving vials.
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_689414
Locus ID:	83756
UniProt ID:	Q7RTX0
RefSeq Size:	2559
Cytogenetics:	1p36.33
RefSeq ORF:	2556
Synonyms:	T1R3

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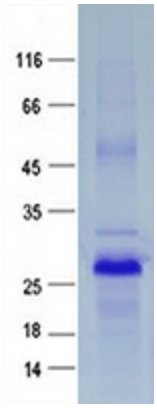
Summary: The protein encoded by this gene is a G-protein coupled receptor involved in taste responses. The encoded protein can form a heterodimeric receptor with TAS1R1 to elicit the umami taste response, or it can bind with TAS1R2 to form a receptor for the sweet taste response. [provided by RefSeq, Nov 2015]

Protein Families: Transmembrane

Protein Pathways: Taste transduction

Product images:



Purified recombinant protein TAS1R3 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.