

Product datasheet for TP523642

Tas1r1 (NM_031867) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse taste receptor, type 1, member 1 (Tas1r1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR223642 representing NM_031867
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MLFWAAHLLLSLQLAVAYCWAFCQRTESPFGFSLPGDFLLAGLFSLHADCLQVRHRPLVTSCDRSDSFN
GHGYHLFQAMRFTVEEINNSTALLPNITLGYELYDVCSESSNVYATLRVLAQQGTGHLEMQRDLRNHSSK
VVALIGPDNTDHAVTTAALLSPFLMPLVSYEASSVILSGKRKFPFLRTIPSDKYQVEVIVRLLQSFGWV
WISLVGSYGDYQGLGVQALEELATPRGICVAFKDVVPLSAQAGDPRMQRMMMLRLARARTVVVFSNRHL
AGVFFRSVLANLTGKVVIASEDWAISTYITNVPGIQIGITVLGVAIQQRQVPLKEFEESYVQAVMGAP
RTCPEGSWCGTNQLCRECHAFTTWNMPELGAFSMSAAYNVYEAVYAVAHGLHQLLGCTSGTCARGPVYPW
QLLQQIYKVNFLHKKTVAFDDKGDPLGYDIIAWDWNGPEWTFEIGSASLSPVHLDINKTKIQWHGKN
NQVPVSVCTRDCLEGGHRLVMGSHHCCFECMPCEAGTFLNTSELHTCQPCGTEEWAPEGSSACFSRTVEF
LGWHEPISLVLLAANTLLLLLIGTAGLFAWRLHTPVVRSAGGRLCFLMLGSLVAGSCSLYSFFGKPTVP
ACLLRQPLFSLGFAIFLSCLTIRSFQLVIIKFSTKVPTFYHTWAQNHGAGIFVIVSSTVHLFLCLTWLA
MWTPTREYQRFPHLVILECTEVNSVGFVAFVAFHNILLSISTFVCSYLGKELPENYNEAKCVTFSLLLH
FVSWIAFFTMSIYQGSYLPVAVNLVLAGLATLSGGFSGYFLPKCYVILCRPELNTEHFQASIQDYTRRCG
TT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	93.9 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
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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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_114073
Locus ID:	110326
UniProt ID:	Q99PG6 , Q3U5H1
RefSeq Size:	2814
Cytogenetics:	4 82.83 cM
RefSeq ORF:	2526
Synonyms:	Gpr70; T1r1; TR1
Summary:	Putative taste receptor. TAS1R1/TAS1R3 responds to the umami taste stimulus (the taste of monosodium glutamate) and also to most of the 20 standard L-amino acids, but not to their D-enantiomers or other compounds. Sequence differences within and between species can significantly influence the selectivity and specificity of taste responses.[UniProtKB/Swiss-Prot Function]