

Recombinant Mouse Tas1r1 Protein, His-tagged

Cat. No. Tas1r1-2114M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tas1r1 Protein (Trp20-Gln258) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Trp20-Gln258
Description	Predicted to enable G protein-coupled receptor activity and taste receptor activity. Predicted to be involved in sensory perception of umami taste. Predicted to act upstream of or within sensory perception of taste and signal transduction. Predicted to be located in plasma membrane. Predicted to be integral component of membrane. Predicted to be integral component of plasma membrane. Is expressed in tongue anterior part. Orthologous to human TAS1R1 (taste 1 receptor member 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30 kDa Accurate Molecular Mass: 30 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Tas1r1 taste receptor, type 1, member 1 [Mus musculus (house mouse)]
Official Symbol	Tas1r1
Synonyms	TAS1R1; taste receptor, type 1, member 1; T1r1;
Gene ID	110326
mRNA Refseq	NM_031867
Protein Refseq	NP_114073
UniProt ID	Q99PG6