

Recombinant Mouse Trpm4 Protein, His-tagged

Cat. No. Trpm4-490M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Trpm4 Protein (Met1-Leu450) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Leu450
Description	Enables ATP binding activity; calcium activated cation channel activity; and calcium channel activity. Involved in several processes, including cellular response to ATP; dendritic cell chemotaxis; and protein homotetramerization. Acts upstream of or within calcium ion transport. Located in plasma membrane. Is spanning component of plasma membrane. Is expressed in brain; cochlea; dorsal root ganglion; inferior vagus ganglion; and vagus ganglion. Human ortholog(s) of this gene implicated in erythrokeratoderma variabilis et progressiva 6 and progressive familial heart block type IB. Orthologous to human TRPM4 (transient receptor potential cation channel subfamily M member 4).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 49 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Trpm4 transient receptor potential cation channel, subfamily M, member 4 [Mus musculus (house mouse)]
Official Symbol	Trpm4
Synonyms	TRPM4; transient receptor potential cation channel, subfamily M, member 4; transient receptor potential cation channel subfamily M member 4; long transient receptor potential channel 4; calcium-activated non-selective cation channel 1; transient receptor potential ion channel melastatin subgroup member 4; LTRPC4; TRPM4B; LTrpC-4; AW047689; 1110030C19Rik; FLJ20041
Gene ID	68667
mRNA Refseq	NM_175130

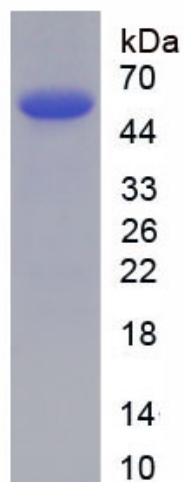
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