

Recombinant Mouse Tac2 protein, His & GST-tagged

Cat. No. Tac2-5804M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tac2 aa. (Gln29~Pro101 (Accession # P55099)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Gln29~Pro101
Description	This gene encodes a member of the tachykinin family of signaling peptides that is widely expressed in the central nervous system and plays a role in diverse processes such as water homeostasis, pulmonary inflammation, cognition, fear memory consolidation and preeclampsia. The encoded protein is enzymatically processed to generate the mature neuropeptide. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.5kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.2.

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Applications	SDS-PAGE; WB; ELISA; IP.
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

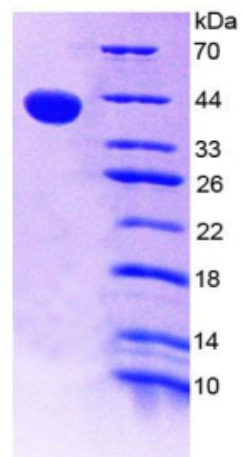
Gene Name	Tac2 tachykinin 2 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Tac2
Synonyms	Tac3; PPT-B; neurokinin 2; neurokinin A; neurokinin B-like protein Zneurok1; neurokinin alpha; neuromedin L; neuropeptide K; preprotachykinin-B; substance K; tachykinin-3
Gene ID	21334
mRNA Refseq	NM_001199971.1
Protein Refseq	NP_001186900.1
UniProt ID	P55099

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SDS-PAGE



15% SDS-PAGE

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