

Recombinant Human TAC1 Protein, His-tagged, BSA Conjugated

Cat. No. TAC1-2842H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BSA Conjugated Recombinant Human TAC1 Protein (His98-Met107) fused with a N-His tag.
Species	Human
Source	Protein Conjugation
ProteinLength	His98-Met107
Description	This gene encodes four products of the tachykinin peptide hormone family, substance P and neurokinin A, as well as the related peptides, neuropeptide K and neuropeptide gamma. These hormones are thought to function as neurotransmitters which interact with nerve receptors and smooth muscle cells. They are known to induce behavioral responses and function as vasodilators and secretagogues. Substance P is an antimicrobial peptide with antibacterial and antifungal properties. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Purity	> 90%
Applications	Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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.

Reconstitution

Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

Conjugation

BSA

GENE INFORMATION

Gene Name

TAC1 tachykinin precursor 1 [Homo sapiens (human)]

Official Symbol

TAC1

Synonyms

TAC1; tachykinin precursor 1; NK2; NPK; NKNA; TAC2; Hs.2563; protachykinin-1; PPT; neurokinin 1; neurokinin 2; neurokinin A; neurokinin alpha; neuromedin L; neuropeptide K; neuropeptide gamma; preprotachykinin; protachykinin; substance K; substance P; tachykinin 2; tachykinin, precursor 1 (substance K, substance P, neurokinin 1, neurokinin 2, neuromedin L, neurokinin alpha, neuropeptide K, neuropeptide gamma)

Gene ID

6863

mRNA Refseq

NM_003182

Protein Refseq

NP_003173

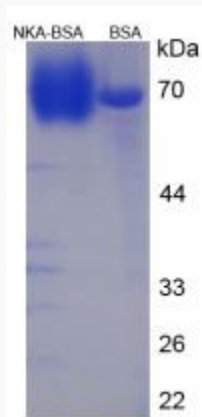
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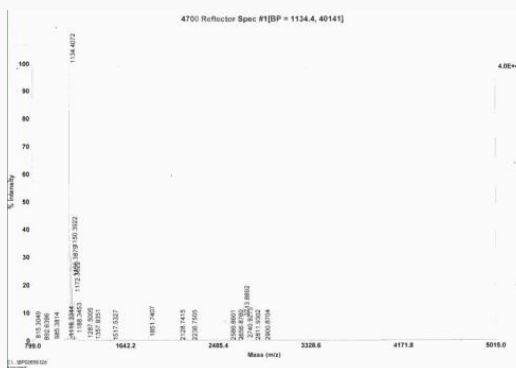
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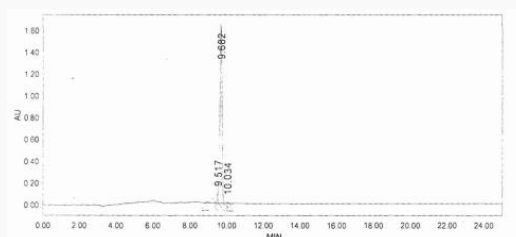
UniProt ID P20366



MASS Spectrometry of the Original Peptide



HPLC of the Original Peptide



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