

Recombinant Human Tachykinin 3, His-tagged

Cat. No. TAC3-79H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Neurokinin B, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography. MW =13.8 kDa (125aa).
Species	Human
Source	E.coli
Description	Neurokinin B, a member of the substance P-related tachykinin family, was previously known to be present in the same hypothalamic neurons as kisspeptin. This protein and its receptor are critical switches of regulator of human puberty, governed by the brain through the release of the hormone GnRH (gonadotropin-releasing hormone) which starts a series of processes that ultimately leads to the production of sex hormones. Many studies suggest new approaches to the pharmacological control of human reproduction and sex hormone-related diseases.
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH QSFGAVCKEP QEEVVPGGGR SKRDPDLYQL LQRLFKSHSS LEGLLKALSQ ASTDPKESTS PEKRDMHDFV VGLMGKRSVQ PDSPTDVNQE NVPSFGILKY PPRAE.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol.
Purity	> 95% by SDS – PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

TAC3 tachykinin 3 [Homo sapiens]

Synonyms

TAC3; tachykinin 3; NKB; NKNB; PRO1155; ZNEUROK1; neurokinin beta; OTTHUMP00000211130; gamma tachykinin 3; preprotachykinin B; neurokinin-B protein; neurokinin B-like protein; neuromedin K; neurokinin beta; Tachykinin-3; Neuromedin-K; UNQ585/PRO1155; neuromedin K; neuromedin K, neurokinin beta

Gene ID

6866

mRNA Refseq

NM_013251

Protein Refseq

NP_037383

MIM

162330

UniProt ID

Q9UHF0

**Chromosome
Location**

12q13-q21

Pathway

Neuroactive ligand-receptor interaction; Signaling by GPCR

Function

receptor binding

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