

## Tachykinin-3 Protein, Human (His)

<b>Cat. No.:</b>	HY-P71349
<b>Synonyms:</b>	Tachykinin-3; ZNEUROK1; Neurokinin-B; NKB; Neuromedin-K; TAC3; NKNB; UNQ585/PRO1155
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q9UHF0 (Q17-E121)
<b>Gene ID:</b>	6866
<b>Molecular Weight:</b>	Approximately 17.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>Q S F G A V C K E P    Q E E V V P G G G R    S K R D P D L Y Q L    L Q R L F K S H S S</p> <p>L E G L L K A L S Q    A S T D P K E S T S    P E K R D M H D F F    V G L M G K R S V Q</p> <p>P D S P T D V N Q E    N V P S F G I L K Y    P P R A E</p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, pH 8.0.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>The Tachykinin-3 protein, belonging to the family of active peptides known as tachykinins, demonstrates multifaceted physiological effects, including the excitation of neurons, induction of behavioral responses, potent vasodilation, secretion stimulation, and the contraction of various smooth muscles. Additionally, Tachykinin-3 emerges as a pivotal central regulator with a critical role in governing gonadal function. The intricate interplay of these diverse actions underscores the significance of Tachykinin-3 in orchestrating physiological responses and maintaining homeostasis, particularly in the regulation of reproductive processes.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA