

## Neuropeptide B Protein, Human (GST)

Cat. No.:	HY-P71449
Synonyms:	NPB; PPL7; PPNPB; Neuropeptide B; Neuropeptide B-29; NPB29;
Species:	Human
Source:	E. coli
Accession:	Q8NG41 (25W-53A)
Gene ID:	256933
Molecular Weight:	Approximately 29.5 kDa

### PROPERTIES

AA Sequence	W Y K P A A G H S S      Y S V G R A A G L L      S G L R R S P Y A
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O.
Storage & Stability	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.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	The Neuropeptide B protein emerges as a multifaceted regulator, potentially playing a crucial role in the modulation of various physiological processes, including feeding, the neuroendocrine system, memory, learning, and the afferent pain pathway. Its involvement in these diverse functions suggests a central role in the intricate regulation of both neural and systemic processes. The versatility of Neuropeptide B underscores its potential significance in fundamental aspects of physiology, from the regulation of appetite and neuroendocrine function to cognitive processes such as memory and learning, as well as its potential impact on the perception of pain through the afferent pain pathway.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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