Galanin Protein, Human (HEK293, Fc)

Cat. No.:	HY-P74132
Synonyms:	GAL; GAL1; Galanin prepropeptide; Galanin; GALN; GMAP
Species:	Human
Source:	HEK293
Accession:	P22466 (A20-S123)
Gene ID:	51083
Molecular Weight:	Approximately 43 kDa

PROPERTIES

AA Sequence	A S A G L W S P A K E K R G W T L N S A G Y L L G P H A V G N H R S F S D K N G L T S K R E L R P E D D M K P G S F D R S I P E N N I M R T I I E F L S F L H L K E A G A L D R L L D L P A A A S S E D I E R S
Appearance	Solution
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	Galanin is a neuropeptide acting as an endocrine hormone in both the central and peripheral nervous systems, engaging G protein-coupled receptors, specifically GALR1, GALR2, and GALR3. This small protein exerts regulatory control over a range of physiological functions, including the contraction of smooth muscles in the gastrointestinal and genitourinary tract, as well as the modulation of growth hormone and insulin release, and adrenal secretion. By binding to its specific receptors, galanin plays a multifaceted role in coordinating various physiological processes, highlighting its significance in the intricate network of signaling pathways within the body. (

Caution: Product has not been fully validated for medical applications. For research use only.

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