

For Research Use Only

Recombinant Human Galanin protein (mFc Tag)



Catalog Number: Eg3984

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
mFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Human Galanin protein Ala20-Ser123 (Accession# P22466) with a mouse IgG Fc tag at the C-terminus.

GeneID:

51083

Accession:

P22466

Predicted Molecular Mass:

38.1 kDa

SDS-PAGE:

38-45 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Galanin is expressed in the central nervous system, including the hypothalamus, pituitary, and the spinal cord, and colocalizes with other neuronal peptides within neurons. It is also found in various tissues such as the gastrointestinal tract and pancreas, demonstrating its importance and versatility for neuro-hormonal homeostasis. Dysregulation of galanin and its related peptides has been implicated in various neuroendocrine conditions such as nociception, Alzheimer's disease, seizures, eating disorders, alcoholism, diabetes, and spinal cord conditions.

References

1. Duan J. et al. (2022). Nat Commun. 13(1):1364.
2. Zhu S. et al. (202). Front Endocrinol (Lausanne). 13:1019943.

Synonyms

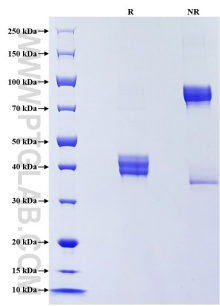
GAL, GAL1, Galanin message-associated peptide, Galanin peptides, galanin prepropeptide

For technical support and original validation data for this product please contact

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Purity of Recombinant Human Galanin was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.