

Recombinant Mouse Galanin protein (rFc Tag)

Catalog Number: Eg2758

Basic Information

Species:
Mouse**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Mouse Galanin protein Ala20-Ser124 (Accession# P47212) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

14419

Accession:

P47212

Predicted Molecular Mass:

37.5 kDa

SDS-PAGE:

36-42 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 a neuroendocrine peptide that is widely expressed in the central and peripheral nervous systems and also the gastrointestinal tract, pancreas, adrenal gland and urogenital tract. The encoded protein is a precursor that is proteolytically processed to generate two mature peptides: galanin and galanin message-associated peptide (GMAP). Galanin has diverse physiological functions including nociception, feeding and energy homeostasis, osmotic regulation, and water balance. GMAP has been demonstrated to possess antifungal activity and is hypothesized to be part of the innate immune system

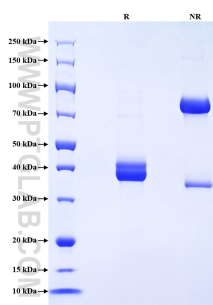
References

1. W E Schmidt, et al. (1991). Proc Natl Acad Sci U S A. 88(24):11435-9.
2. Sipin Zhu, et al. (2022). Front Endocrinol (Lausanne). 13:1019943.
3. J Šípková, et al. (2017). Physiol Res. 66(5):729-740.

Synonyms

Gal, Galanin, Galanin message-associated peptide, Galanin peptides, Galn

Selected Validation Data



Purity of Recombinant Mouse 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.

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

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