

Recombinant Mouse Gal Protein, Myc/DDK-tagged

Cat. No. Gal-3134M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length galanin and GMAP prepropeptide (Gal), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	<p>This gene encodes a neuroendocrine peptide that is principally produced by a subpopulation of lactotrophs in the pituitary gland. The encoded protein is a precursor that is proteolytically processed to generate two mature peptides: galanin and galanin message-associated peptide (GMAP). Mice lacking the encoded protein fail to lactate sufficiently due to abnormalities in the expression of prolactin and lactotroph proliferation, exhibit attenuated chronic neuropathic pain and developmental deficits in the dorsal root ganglion neurons. This gene encodes distinct isoforms, some or all of which may undergo similar processing to generate the mature proteins.</p>
Molecular Mass	13.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Gal galanin and GMAP prepropeptide [*Mus musculus* (house mouse)]

Official Symbol Gal

Synonyms Gal; galanin and GMAP prepropeptide; G; Galn; galanin peptides; galanin

Gene ID 14419

mRNA Refseq NM_010253

Protein Refseq NP_034383

UniProt ID P47212

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