

Recombinant Mouse Gal protein, His & T7-tagged

Cat. No. Gal-1483M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gal aa. (Leu36~Lys123 (Accession # P47212)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Leu36~Lys123
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.5kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method).
Purity	>95%

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Characteristic	The isoelectric point is 6.2.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

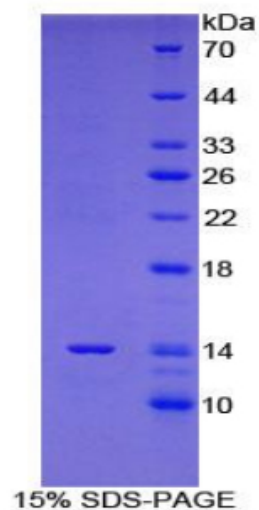
Gene Name	Gal galanin [<i>Mus musculus</i> (house mouse)]
Official Symbol	Gal
Synonyms	Galn; galanin peptides
Gene ID	14419
mRNA Refseq	NM_001329667.1
Protein Refseq	NP_001316596.1
UniProt ID	P47212

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SDS-PAGE



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