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Product datasheet for TP525635

Gal (NM_010253) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse galanin and GMAP prepropeptide (Gal), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR225635 representing NM_010253 Red=Cloning site Green=Tags(s) MARGSVILLGWLLLVVTLSATLGLGMPAKEKRGWTLNSAGYLLGPHAIDNHRSFSDKHGLTGKRELQLEV EERRPGSVDVPLPESNIVRTIMEFLSFLHLKEAGALDSLPGIPLATSSEDLEKS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	13.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_034383
Locus ID:	14419
UniProt ID:	P47212, Q3V002
RefSeq Size:	699
Cytogenetics:	19 3.16 cM
RefSeq ORF:	372

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Synonyms: G; Galn

Summary: 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. [provided by RefSeq, Jul 2016]