

Recombinant Human GAL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GAL-3801H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GAL MS Standard C13 and N15-labeled recombinant protein (NP_057057) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes 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 hypothesized to be part of the innate immune system.
Molecular Mass	13.3 kDa
AA Sequence	MARGSALLLASLLAAALSASAGLWSPAKEKRGWTLNSAGYLLGPHAVGNHRSFSD KNGLTSKRELRPEDDMKPGSFDRSIPENNIMRTIIEFLSFLHLKEAGALDRLLDLPAAA SSIEDIERSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	GAL galanin prepropeptide [Homo sapiens (human)]
Official Symbol	GAL
Synonyms	GAL; galanin prepropeptide; galanin, GALN; galanin peptides; galanin message associated peptide; GLNN; GMAP; galanin-related peptide; galanin-message-associated peptide; GALN; MGC40167;
Gene ID	51083
mRNA Refseq	NM_015973
Protein Refseq	NP_057057
MIM	137035
UniProt ID	P22466

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