

Product datasheet for RC207053L4V

OriGene Technologies, Inc.

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Galanin (GAL) (NM_015973) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Galanin (GAL) (NM_015973) Human Tagged ORF Clone Lentiviral Particle

Symbol: Galanin

Synonyms: ETL8; GAL-GMAP; GALN; GLNN; GMAP

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_015973

ORF Size: 369 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC207053).

Sequence:

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

RefSeg: NM 015973.2, NP 057057.2

 RefSeq Size:
 778 bp

 RefSeq ORF:
 372 bp

 Locus ID:
 51083

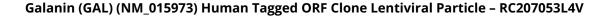
 UniProt ID:
 P22466

Cytogenetics: 11q13.2

Protein Families: Secreted Protein, Transmembrane

MW: 13.3 kDa







Gene Summary:

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. [provided by RefSeq, Jul 2015]