

Product datasheet for RC225262L4V

Apg10 (ATG10) (NM_001131028) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Symbol: Apg10

Synonyms: APG10; APG10L; pp12616

Mammalian Cell: Puromycin

Selection:

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

Tag: mGFP

ACCN: NM_001131028

ORF Size: 660 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as (RC225262).

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.

RefSeq: [NM_001131028.1](#)

RefSeq Size: 2432 bp

RefSeq ORF: 663 bp

Locus ID: 83734

UniProt ID: [Q9H0Y0](#)

Cytogenetics: 5q14.1-q14.2



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MW: 25.3 kDa

Gene Summary: Autophagy is a process for the bulk degradation of cytosolic compartments by lysosomes. ATG10 is an E2-like enzyme involved in 2 ubiquitin-like modifications essential for autophagosome formation: ATG12 (MIM 609608)-ATG5 (MIM 604261) conjugation and modification of a soluble form of MAP-LC3 (MAP1LC3A; MIM 601242), a homolog of yeast Apg8, to a membrane-bound form (Nemoto et al., 2003 [PubMed 12890687]).[supplied by OMIM, Mar 2008]