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Product datasheet for RC202012L3V

Apg12 (ATG12) (NM_004707) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Apg12 (ATG12) (NM_004707) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Apg12
Synonyms:	APG12; APG12L; FBR93; HAPG12
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004707
ORF Size:	561 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC202012).`
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_004707.2, NP_004698.2
RefSeq Size:	4330 bp
RefSeq ORF:	423 bp
Locus ID:	9140
UniProt ID:	O94817
Cytogenetics:	5q22.3
Domains:	APG12
Protein Pathways:	Regulation of autophagy, RIG-I-like receptor signaling pathway

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MW: 20.6 kDa

Gene Summary: Autophagy is a process of bulk protein degradation in which cytoplasmic components, including organelles, are enclosed in double-membrane structures called autophagosomes and delivered to lysosomes or vacuoles for degradation. ATG12 is the human homolog of a yeast protein involved in autophagy (Mizushima et al., 1998 [PubMed 9852036]).[supplied by OMIM, Mar 2008]