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Product datasheet for MR223505L3V

Aph1a (NM_146104) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Aph1a (NM_146104) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Aph1a
Synonyms:	6530402N02Rik; APH-1a
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_146104
ORF Size:	741 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR223505).`
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_146104.3, NP_666216.1
RefSeq Size:	3215 bp
RefSeq ORF:	744 bp
Locus ID:	226548
UniProt ID:	Q8BVF7
Cytogenetics:	3 F2.1

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Gene Summary: This gene encodes a subunit of the gamma-secretase complex, which is localized to the endoplasmic reticulum and golgi apparatus. Gamma-secretase is a multi-protein enzyme that catalyzes intramembraneous proteolysis of type I transmembrane proteins and is essential for many signaling pathways, including the Notch signaling pathway. Studies suggest that the protein encoded by this locus binds directly to substrates of the gamma-secretase complex, including the beta-amyloid precursor protein which is associated with Alzheimer disease progression. This gene is required for normal embryonic development and survival, and disruption is associated with defects in the yolk sack angiogenesis, neural tube formation, and somitogenesis. A pseudogene of this gene is located on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]