Product datasheet for RR205989L3V

Auh (NM_001108407) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Auh (NM_001108407) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Auh
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001108407
ORF Size:	759 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR205989).
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_001108407.1, NP_001101877.1
RefSeq Size:	1246 bp
RefSeq ORF:	762 bp
Locus ID:	361215
Cytogenetics:	17p14

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Gene Summary: Catalyzes the conversion of 3-methylglutaconyl-CoA to 3-hydroxy-3-methylglutaryl-CoA (By similarity). Also has itaconyl-CoA hydratase activity by converting itaconyl-CoA into citramalyl-CoA in the C5-dicarboxylate catabolism pathway (PubMed:13783048). The C5-dicarboxylate catabolism pathway is required to detoxify itaconate, a vitamin B12-poisoning metabolite (PubMed:13783048). Has very low enoyl-CoA hydratase activity (By similarity). Was originally identified as RNA-binding protein that binds in vitro to clustered 5'-AUUUA-3' motifs (By similarity).[UniProtKB/Swiss-Prot Function]