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Product datasheet for RC205091L3V

AASDHPPT (NM_015423) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	AASDHPPT (NM_015423) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AASDHPPT
Synonyms:	AASD-PPT; ACPS; CGI-80; LYS2; LYS5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_015423
ORF Size:	927 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC205091).`
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_015423.2
RefSeq Size:	2880 bp
RefSeq ORF:	930 bp
Locus ID:	60496
UniProt ID:	Q9NRN7
Cytogenetics:	11q22.3
Domains:	ACPS
Protein Pathways:	Lysine biosynthesis, Lysine degradation, Metabolic pathways

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MW: 35.8 kDa

Gene Summary: The protein encoded by this gene is similar to Saccharomyces cerevisiae LYS5, which is required for the activation of the alpha-aminoadipate dehydrogenase in the biosynthetic pathway of lysine. Yeast alpha-aminoadipate dehydrogenase converts alpha-biosynthetic-aminoadipate semialdehyde to alpha-aminoadipate. It has been suggested that defects in the human gene result in pipecolic acidemia. [provided by RefSeq, Jul 2008]