Product datasheet for RC209197L2V

HLCS (NM_000411) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HLCS (NM_000411) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HLCS
Synonyms:	HCS
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000411
ORF Size:	2178 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209197).
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_000411.4
RefSeq Size:	6019 bp
RefSeq ORF:	2181 bp
Locus ID:	3141
UniProt ID:	P50747
Cytogenetics:	21q22.13
Domains:	BPL_C, BPL_LipA_LipB
Protein Pathways:	Biotin metabolism, Metabolic pathways

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MW:	80.8 kDa

Gene Summary: This gene encodes an enzyme that catalyzes the binding of biotin to carboxylases and histones. The protein plays an important role in gluconeogenesis, fatty acid synthesis and branched chain amino acid catabolism. Defects in this gene are the cause of holocarboxylase synthetase deficiency. Multiple alternatively spliced variants, encoding the same protein, have been identified.[provided by RefSeq, Jun 2011]