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Product datasheet for RC202468L1V

HSD3B7 (NM_025193) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HSD3B7 (NM_025193) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HSD3B7
Synonyms:	CBAS1; PFIC4; SDR11E3
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_025193
ORF Size:	1107 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202468).
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_025193.2, NP_079469.2
RefSeq Size:	2203 bp
RefSeq ORF:	1110 bp
Locus ID:	80270
UniProt ID:	Q9H2F3
Cytogenetics:	16p11.2
Domains:	3Beta_HSD
Protein Families:	Transmembrane

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Protein Pathways: Metabolic pathways, Primary bile acid biosynthesis

MW: 41 kDa

Gene Summary: This gene encodes an enzyme which is involved in the initial stages of the synthesis of bile acids from cholesterol and a member of the short-chain dehydrogenase/reductase superfamily. The encoded protein is a membrane-associated endoplasmic reticulum protein which is active against 7-alpha hydrosylated sterol substrates. Mutations in this gene are associated with a congenital bile acid synthesis defect which leads to neonatal cholestasis, a form of progressive liver disease. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]