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Product datasheet for RC200970L1V

SRD5A3 (NM_024592) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SRD5A3 (NM_024592) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SRD5A3
Synonyms:	CDG1P; CDG1Q; KRIZI; SRD5A2L; SRD5A2L1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_024592
ORF Size:	954 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200970).`
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_024592.1
RefSeq Size:	2271 bp
RefSeq ORF:	957 bp

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Locus ID:	79644
UniProt ID:	Q9H8P0
Cytogenetics:	4q12
Domains:	Steroid_dh
Protein Families:	Transmembrane
Protein Pathways:	Androgen and estrogen metabolism
MW:	36.3 kDa
Gene Summary:	The protein encoded by this gene belongs to the steroid 5-alpha reductase family, and polyprenol reductase subfamily. It is involved in the production of androgen 5-alpha-dihydrotestosterone (DHT) from testosterone, and maintenance of the androgen-androgen receptor activation pathway. This protein is also necessary for the conversion of polyprenol into dolichol, which is required for the synthesis of dolichol-linked monosaccharides and the oligosaccharide precursor used for N-linked glycosylation of proteins. Mutations in this gene are associated with congenital disorder of glycosylation type Iq. [provided by RefSeq, Mar 2011]

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