OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC210431L4V

Steroid sulfatase (STS) (NM_000351) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Steroid sulfatase (STS) (NM_000351) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Steroid sulfatase
Synonyms:	ARSC; ARSC1; ASC; ES; SSDD; XLI
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000351
ORF Size:	1749 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC210431).`
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_000351.3
RefSeq Size:	6377 bp
RefSeq ORF:	1737 bp
Locus ID:	412
UniProt ID:	P08842
Cytogenetics:	Xp22.31
Domains:	Sulfatase
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways: Androgen and estrogen metabolism

MW: 65.5 kDa

Gene Summary: This gene encodes a multi-pass membrane protein that is localized to the endoplasmic reticulum. It belongs to the sulfatase family and hydrolyzes several 3-beta-hydroxysteroid sulfates, which serve as metabolic precursors for estrogens, androgens, and cholesterol. Mutations in this gene are associated with X-linked ichthyosis (XLI). Alternatively spliced transcript variants resulting from the use of different promoters have been described for this gene (PMID:17601726). [provided by RefSeq, Mar 2016]