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Product datasheet for RC206020L4V

SART2 (DSE) (NM_013352) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SART2 (DSE) (NM_013352) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SART2
Synonyms:	DS-epi1; DSEP; DSEPI; EDSMC2; SART-2; SART2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_013352
ORF Size:	2874 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC206020).`
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_013352.2
RefSeq Size:	4077 bp
RefSeq ORF:	2877 bp
Locus ID:	29940
UniProt ID:	Q9UL01
Cytogenetics:	6q22.1
Protein Families:	Transmembrane
Protein Pathways:	Chondroitin sulfate biosynthesis

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MW: 109.8 kDa

Gene Summary: The protein encoded by this gene is a tumor-rejection antigen. It is localized to the endoplasmic reticulum and functions to convert D-glucuronic acid to L-iduronic acid during the biosynthesis of dermatan sulfate. This antigen possesses tumor epitopes capable of inducing HLA-A24-restricted and tumor-specific cytotoxic T lymphocytes in cancer patients and may be useful for specific immunotherapy. Mutations in this gene cause inmusculocontractural Ehlers-Danlos syndrome. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 9, and a paralogous gene exists on chromosome 18. [provided by RefSeq, Apr 2016]