

Product datasheet for **RC221582L4V**

Sulfatase 2 (SULF2) (NM_198596) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sulfatase 2 (SULF2) (NM_198596) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Sulfatase 2
Synonyms:	HSULF-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_198596
ORF Size:	2556 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221582).
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_198596.1 , NP_940998.1
RefSeq Size:	3843 bp
RefSeq ORF:	2604 bp
Locus ID:	55959
UniProt ID:	Q8IWU5
Cytogenetics:	20q13.12
Protein Families:	Druggable Genome, Transmembrane
MW:	100 kDa



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Gene Summary:

Heparan sulfate proteoglycans (HSPGs) act as coreceptors for numerous heparin-binding growth factors and cytokines and are involved in cell signaling. Heparan sulfate 6-O-endosulfatases, such as SULF2, selectively remove 6-O-sulfate groups from heparan sulfate. This activity modulates the effects of heparan sulfate by altering binding sites for signaling molecules (Dai et al., 2005 [PubMed 16192265]).[supplied by OMIM, Mar 2008]