

Product datasheet for **RC208270L4V**

SGSH (NM_000199) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SGSH (NM_000199) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SGSH
Synonyms:	HSS; MPS3A; SFMD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000199
ORF Size:	1506 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208270).
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_000199.2 , NP_000190.1
RefSeq Size:	2770 bp
RefSeq ORF:	1509 bp
Locus ID:	6448
UniProt ID:	P51688
Cytogenetics:	17q25.3
Domains:	Sulfatase
Protein Families:	Druggable Genome



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Protein Pathways: Glycosaminoglycan degradation, Lysosome, Metabolic pathways

MW: 56.7 kDa

Gene Summary: This gene encodes the enzyme sulfamidase; one of several enzymes involved in the lysosomal degradation of heparan sulfate. Mutations in this gene are associated with the lysosomal storage disease mucopolysaccharidosis IIIA, also known as Sanfilippo syndrome A, which results from impaired degradation of heparan sulfate. Transcripts of varying sizes have been reported but their biological validity has not been determined. [provided by RefSeq, Jun 2017]