

Product datasheet for **RR202867L3V**

Chst15 (NM_173310) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Chst15 (NM_173310) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Chst15
Synonyms:	Galnac4s-6st; GalNAc4S6ST
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_173310
ORF Size:	1683 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR202867).
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_173310.3 , NP_775432.3
RefSeq Size:	1701 bp
RefSeq ORF:	1686 bp
Locus ID:	286974
UniProt ID:	Q8CHI9
Cytogenetics:	1q41



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Gene Summary:

Sulfotransferase that transfers sulfate from 3'-phosphoadenosine 5'-phosphosulfate (PAPS) to the C-6 hydroxyl group of the GalNAc 4-sulfate residue of chondroitin sulfate A and forms chondroitin sulfate E containing GlcA-GalNAc(4,6-SO(4)) repeating units. It also transfers sulfate to a unique non-reducing terminal sequence, GalNAc(4SO4)-GlcA(2SO4)-GalNAc(6SO4), to yield a highly sulfated structure similar to the structure found in thrombomodulin chondroitin sulfate. May also act as a B-cell receptor involved in BCR ligation-mediated early activation that mediate regulatory signals key to B-cell development and/or regulation of B-cell-specific RAG expression; however such results are unclear in vivo (By similarity). [UniProtKB/Swiss-Prot Function]