

## Product datasheet for **RC202514L3V**

### CHST12 (NM\_018641) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	CHST12 (NM_018641) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CHST12
Synonyms:	C4S-2; C4ST-2; C4ST2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_018641
ORF Size:	1242 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202514).
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. <a href="#">More info</a>
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:	<a href="#">NM_018641.3</a>
RefSeq Size:	2159 bp
RefSeq ORF:	1245 bp
Locus ID:	55501
UniProt ID:	<a href="#">Q9NRB3</a>
Cytogenetics:	7p22.3
Domains:	Sulfotransfer2
Protein Families:	Transmembrane



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**Protein Pathways:** Chondroitin sulfate biosynthesis, Sulfur metabolism

**MW:** 48.4 kDa

**Gene Summary:** The protein encoded by this gene belongs to the sulfotransferase 2 family. It is localized to the golgi membrane, and catalyzes the transfer of sulfate to position 4 of the N-acetylgalactosamine (GalNAc) residue of chondroitin and desulfated dermatan sulfate. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage, and is distributed on the surfaces of many cells and extracellular matrices. Alternatively spliced transcript variants differing only in their 5' UTRs have been found for this gene. [provided by RefSeq, Aug 2011]