

## **Product datasheet for RC203037L1**

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OriGene Technologies, Inc.

### CHST11 (NM\_018413) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: CHST11 (NM\_018413) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: CHST11

Synonyms: C4ST; C4ST-1; C4ST1; HSA269537; OCBMD

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC203037).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_018413

ORF Size: 1056 bp





### CHST11 (NM\_018413) Human Tagged Lenti ORF Clone - RC203037L1

**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.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

**RefSeq:** <u>NM 018413.2</u>

 RefSeq Size:
 5768 bp

 RefSeq ORF:
 1059 bp

 Locus ID:
 50515

 UniProt ID:
 Q9NPF2

 Cytogenetics:
 12q23.3

Domains: Sulfotransfer2
Protein Families: Transmembrane

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

**MW:** 41.6 kDa

**Gene Summary:** The protein encoded by this gene belongs to the sulfotransferase 2 family. It is localized to

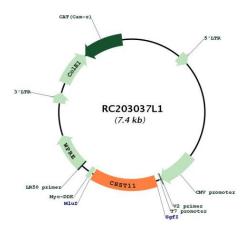
the golgi membrane, and catalyzes the transfer of sulfate to position 4 of the N-

acetylgalactosamine (GalNAc) residue of chondroitin. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage, and is distributed on the surfaces of many cells and extracellular matrices. A chromosomal translocation involving this gene and lgH, t(12;14)(q23;q32), has been reported in a patient with B-cell chronic lymphocytic leukemia. Alternatively spliced transcript variants encoding different isoforms have been found for this

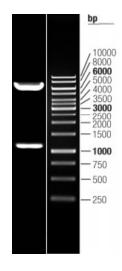
gene. [provided by RefSeq, Aug 2011]



# **Product images:**



Circular map for RC203037L1



Double digestion of RC203037L1 using Sgfl and Mlul