

## Product datasheet for **RC214117**

### CSGLCAT (CHPF2) (NM\_019015) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CSGLCAT (CHPF2) (NM_019015) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CSGLCAT
Synonyms:	chPF-2; ChSy-3; CSGLCA-T; CSGLcAT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC214117 representing NM\_019015  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGACTGAGCTCCCTGTTGGCTCTGCTGCGGCCAGCGCTTCCCCTCATCTTAGGGCTGTCTCTGGGGT  
 GCAGCCTGAGCCTCCTGCGGGTTTCCTGGATCCAGGGGAGGGAGAAGATCCCTGTGTCGAGGCTGTAGG  
 GGAGCGAGGAGGGCCACAGAATCCAGATTCAGAGCTCGGCTAGACCAAAGTGATGAAGACTTCAAACCC  
 CGGATTGTCCCCTACTACAGGGACCCCAACAAGCCCTACAAGAAGGTGCTCAGGACTCGGTACATCCAGA  
 CAGAGCTGGGCTCCCGTGAAGCGTTGCTGGTGGCTGTCTGACCTCCCGAGCTACACTGTCCACTTTGGC  
 CGTGGCTGTGAACCGTACGGTGGCCATCACTTCCCTCGTTACTCTACTTCACTGGGCAGCGGGGGGCC  
 CGGGCTCCAGCAGGGATGCAGTGGTGTCTCATGGGGATGAGCGGCCCGCTGGCTCATGTCAGAGACCC  
 TGCGCCACCTTACACACACTTTGGGGCCGACTACGACTGGTTCTTCATCATGCAGGATGACACATATGT  
 GCAGGCCCGCTGGCAGCCCTTGTGGCCACCTCAGCATCAACCAAGACCTGTACTTAGGCCGGGCA  
 GAGGAGTTCATTGGCGCAGGCGAGCAGGCCCGGTACTGTATGGGGGCTTTGGCTACCTGTTGTCACGGA  
 GTCTCCTGCTTCGCTGCGGCCACATCTGGATGGCTGCCGAGGAGACATTCTCAGTGCCCGTCTGACGA  
 GTGGCTTGGACGCTGCCTCATTGACTCTCTGGCGTCGGCTGTGTCTCACAGCACCAGGGGACGAGTAT  
 CGCTCATTTGAACTGGCCAAAAATAGGGACCCTGAGAAGGAAGGGAGCTCGGCTTTCCTGAGTGCCTTCG  
 CCGTGCACCCTGTCTCCGAAGGTACCCTCATGTACCGGCTCCACAACCGCTTACAGCGCTCGGAGTTGGA  
 GCGGGCTTACAGTGAATAGAACAACTGACGGCTCAGATCCGGAACCTGACCGTGTGACCCCGAAGGG  
 GAGGCAGGGCTGAGCTGGCCGTTGGGCTCCCTGCTCCTTTCACACCACACTCTCGCTTTGAGGTGCTGG  
 GCTGGACTACTTACAGAGCAGCACACCTTCTCCTGTGCAGATGGGGCTCCCAAGTGCCCACTACAGCC  
 GGCTAGCAGGGCGGACGTGGGTGATGCGTTGGAGACTGCCCTGGAGCAGCTCAATCGGCGCTATCAGCCC  
 CGCTGCGCTTCCAGAAGCAGCGACTGCTCAACGGCTATCGGCGCTTCGACCCAGCACGGGGCATGGAGT  
 ACACCCTGGACCTGCTGTTGGAATGTGTGACACAGCGTGGGCACCGCGGGCCCTGGCTCGCAGGGTCAG  
 CCTGCTGCGGCCACTGAGCCGGGTGAAATCCTACCTATGCCCTATGTCACTGAGGCCACCCGAGTGCAG  
 CTGGTGTGCCACTCCTGGTGGCTGAAGCTGCTGCAGCCCGGCTTTCCTCGAGGCTTTGCAGCCAATG  
 TCCTGGAGCCACGAGAACATGCATTGCTCACCTGTTGCTGGTCTACGGGCCACGAGAAGGTGGCCGTGG  
 AGCTCCAGACCCATTTCTTGGGGTGAAGGCTGCAGCAGCGGAGTTAGAGCGACGGTACCCTGGGACGAGG  
 CTGGCCTGGCTCGCTGTGCGAGCAGAGGCCCTTCCCAGGTGCGACTCATGGACGTGGTCTCGAAGAAGC  
 ACCCTGTGGACACTCTCTTCTTCTTACCACCGTGTGGACAAGGCTGGGCCCGAAGTCCCAACCGCTG  
 TCGCATGAATGCCATCTCTGGCTGGCAGGCCTTCTTCCAGTCCATTTCCAGGAGTTCAATCCTGCCCTG  
 TCACCACAGAGATCACCCCGAGGCCCGGGGGCTGGCCCTGACCCCGCTCCCTCCTGGTGTGACC  
 CCTCCCGGGGGCTCCTATAGGGGGGAGATTTGACCGGCAGGCTTCTGCGGAGGGCTGCTTCTACAACGC  
 TGACTACCTGGCGGCCGAGCCCGGCTGGCAGGTGAACTGGCAGGCCAGGAAGAGGAGGAAGCCCTGGAG  
 GGGCTGGAGGTGATGGATGTTTTCTCCGGTCTCAGGGCTCCACCTCTTTCGGGCCGTAGAGCCAGGGC  
 TGGTGCAGAACTTCTCCCTGCGAGACTGCAGCCACGGCTCAGTGAAGAACTCTACCACCGCTGCCGCT  
 CAGCAACCTGGAGGGCTAGGGGGCCGTGCCAGCTGGCTATGGCTCTCTTTGAGCAGGAGCAGGCCAAT  
 AGCACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC214117 representing NM\_019015  
Red=Cloning site Green=Tags(s)

MRLSSLLALLRPALPLILGLSLGCSLSLLRVSWIQGEGEDPCVEAVGERGGPQNPDSRARLDQSDEDFKP  
RIVPYRDPNKPYPKVLRTYIQTTELGSRELLVAVLTSRATLSTLAVAVNRTVAHHFPRLLYFTGQRGGA  
RAPAGMQVVSHGDERPAWLMSETLRHLHTHFGADYDWFIMQDDTYVQAPRLAALAGHLSINQDLYLGRA  
EEFIGAGEQARYCHGGFYLLSRLLLLRPHLDGCRGDILSARPDEWLGRCIDSLGVGCYSQHQQQY  
RSFELAKNRDPEKEGSSAFLSAFVHPVSEGTLMYRLHKRFSALELERAYSEIEQLQAQIRNLTVLTPEG  
EAGLSWPVGLPAPFTPHSRFEVLGWDYFTEQHTFSCADGAPKCPLQGASRADVGDALLETALQLNRRYQP  
RLRFQKQRLNGYRRFDPARGMEYTLDLLLECVTQRGHRRALARVSLRPLSRVEILPMPYVTEATRVQ  
LVLPLLVAAAAAPAFLEAFAANVLEPREHALLLLL VYGPREGGRGAPDPFLGVKAAAAELERRYPGTR  
LAWLAVRAEAPSQVRLMDVVSKKHPVDTLFFLTWTRPGPEVLNRCRMNAISGWQAFPPVHFQEFNPAL  
SPQRSPPGPPGAGPDPPSPGADPSRGAPIGGRFDRQASAEGCFYNADYLAARARLAGELAGQEEEEALE  
GLEVMDVFLRFSGLHLFRAVEPGLVQKFSLRDCSPRLSEELYHRCRLSNLEGLGGRAQLAMALFEQE QAN  
ST

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8029\\_c11.zip](https://cdn.origene.com/chromatograms/mk8029_c11.zip)

**Restriction Sites:** Sgfl-Mlul



**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:** [NM\\_019015.2](#), [NP\\_061888.1](#)

**RefSeq Size:** 3970 bp

**RefSeq ORF:** 2319 bp

**Locus ID:** 54480

**UniProt ID:** [Q9P2E5](#)

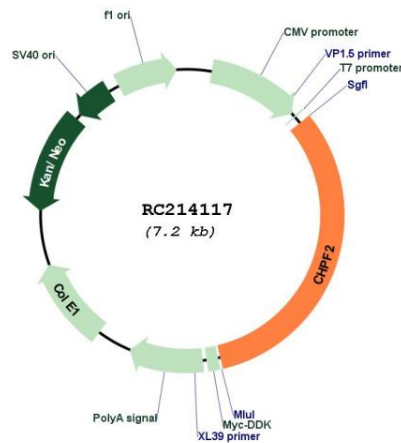
**Cytogenetics:** 7q36.1

**Protein Pathways:** Chondroitin sulfate biosynthesis, Metabolic pathways

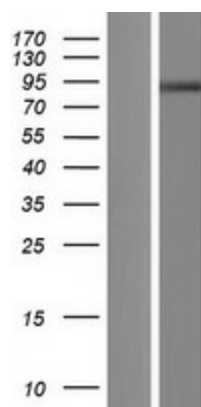
**MW:** 85.8 kDa

**Gene Summary:** Transfers glucuronic acid (GlcUA) from UDP-GlcUA to N-acetylgalactosamine residues on the non-reducing end of the elongating chondroitin polymer. Has no N-acetylgalactosaminyltransferase activity.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC214117



Western blot validation of overexpression lysate (Cat# [LY412809]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214117 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).