

Product datasheet for **SC337409**

CSGLCAT (CHPF2) (NM_001284295) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSGLCAT (CHPF2) (NM_001284295) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHPF2
Synonyms:	chPF-2; ChSy-3; CSGLCA-T; CSGLcAT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001284295, the custom clone sequence may differ by one or more nucleotides

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ATGCTGTCTCTGGCGCGGCTCCGCTCCC GCCACTGGCCTGAGAACGAGCCTGAGCCTCCTGCGGGTTT
CCTGGATCCAGGGGAGGAGAAGATCCCTGTGTCGAGGCTGTAGGGGAGCGAGGAGGGCCACAGAATCC
AGATTCCAGAGCTCGGCTAGACCAAAGTGATGAAGACTTCAAACCCCGATTGTCCCTACTACAGGGAC
CCCAACAAGCCCTACAAGAAGGTGCTCAGGACTCGGTACATCCAGACAGAGCTGGGCTCCCGTGAGCGGT
TGCTGGTGGCTGTCTGACCTCCCGAGCTACACTGTCCACTTTGGCCGTGGCTGTGAACCGTACGGTGGC
CCATCACTTCCCTCGTTACTCTACTTCACTGGGCAGCGGGGGCCCGGGCTCCAGCAGGGATGCAGGTG
GTGTCTCATGGGGATGAGCGGCCCGCTGGCTCATGTGAGAGACCCTGCGCCACCTTACACACACTTTG
GGGCCGACTACGACTGGTTCTTCATCATGCAGGATGACACATATGTGCAGGCCCGCCGCTGGCAGCCCT
TGCTGGCCACCTCAGCATCAACCAAGACCTGTACTTAGGCCGGGCAGAGGAGTTTATTGGCGCAGGCGAG
CAGGCCCGGTACTGTGATGGGGCTTTGGCTACCTGTTGTACGGAGTCTCCTGCTTCGCTGCGGCCAC
ATCTGGATGGCTGCCGAGGAGACATTCTCAGTGCCCGTCTGACGAGTGGCTTGGAGCTGCCTCATTGA
CTCTCTGGGCGTGGCTGTGCTCACAGACCAGGGGCAGCAGTATCGCTCATTTGAACTGGCCAAAAT
AGGGACCCTGAGAAGGAAGGGAGCTCGGCTTTCCTGAGTGCCTTCGCCGTGCACCCTGTCTCCGAAGGTA
CCCTCATGTACCGGCTCCACAAACGCTTTCAGCGCTCTGGAGTTGGAGCGGGCTTACAGTGAATAGAAACA
ACTGCAGGCTCAGATCCGGAACCTGACCGTGTGACCCCGAAGGGGAGGAGGGCTGAGCTGGCCCGTT
GGGCTCCCTGCTCCTTTCACACCACACTCTCGCTTTGAGGTGCTGGGCTGGGACTACTTACAGAGCAGC
ACACCTTCTCCTGTGCAGATGGGGCTCCCAAGTGGCCACTACAGGGGGCTAGCAGGGCGGACGTGGGTGA
TGCGTTGGAGACTGCCCTGGAGCAGCTCAATCGGCGCTATCAGCCCGCTGCGCTTCCAGAAGCAGCGA
CTGCTCAACGGCTATCGGCGCTTCGACCCAGCACGGGGCATGGAGTACACCCTGGACCTGCTGTTGGAAT
GTGTGACACAGCGTGGGCACCGCGGGCCCTGGCTCGCAGGGTACGCTGCTGCGGCCACTGAGCCGGGT
GGAAATCTACCTATGCCCTATGTCACTGAGGCCACCCGAGTGCAGCTGGTGTGCCACTCCTGGTGGCT
GAAGCTGTGCAGCCCGGCTTTCCTCGAGGCCTTTCAGCCAATGTCTGGAGCCACGAGAATGCATGCAT
TGCTCACCTGTTGCTGGTCTACGGGCCACGAGAAGGTGGCCGTGGAGCTCCAGACCCATTTCTTGGGGT
GAAGGCTGCAGCAGCGGAGTTAGAGCGACGGTACCCTGGGACGAGGCTGGCCTGGCTCGCTGTGCGAGCA
GAGGCCCTTCCAGGTGCGACTCATGGACGTGGTCTCGAAGAAGCACCTGTGGACACTCTTTCTTCC
TTACCACCGTGTGACAAGGCCTGGGCCGAAGTCTCAACCGCTGTGCGATGAATGCCATCTCTGGCTG
GCAGGCCCTTTTCCAGTCCATTTCCAGGAGTTCAATCCTGCCCTGTACCACAGAGATACCCCCAGGG
CCCCCGGGGGCTGGCCCTGACCCCCCTCCCTCCTGGTGTGACCCCTCCCGGGGGGCTCCTATAGGGG
GGAGATTTGACCGGCAGGCTTCTGCGGAGGGCTGCTTCTACAACGCTGACTACCTGGCGGCCGAGCCCG
GCTGGCAGGTGAACTGGCAGGCCAGGAAGAGGAGGAAGCCCTGGAGGGGCTGGAGGTGATGGATGTTTTT
CTCCGGTTCTCAGGGCTCCACCTCTTTCGGGCCGTAGAGCCAGGGCTGGTGCAGAAGTTCTCCCTGCGAG
ACTGCAGCCACGGCTCAGTGAAGAACTTACCACCGCTGCCCGCTCAGCAACCTGGAGGGGCTAGGGGG
CCGTGCCAGCTGGCTATGGCTCTTTGAGCAGGAGCAGGCCAATAGCACTAG
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001284295

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<ol style="list-style-type: none">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_001284295.1, NP_001271224.1</u>
RefSeq Size:	2730 bp
RefSeq ORF:	2295 bp
Locus ID:	54480
Cytogenetics:	7q36.1
Protein Pathways:	Chondroitin sulfate biosynthesis, Metabolic pathways
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks a segment in the 5' UTR and 5' coding region which results in the use of an alternate start codon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>