

Product datasheet for **MC221508**

Chpf (NM_001001566) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chpf (NM_001001566) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chpf
Synonyms:	1700028N03Rik; AI414328; D1Bwg1363e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221508 representing NM_001001566
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGGGCGTCGCTGCTGCTGTCCGTGCTGCGGCCCGGGGCCCGTGGCCGTGGGCATCTCTCTGGCT
 TCACCCTGAGCCTGCTCAGCGTCACCTGGGTGGAGAGCCTTGGGACCCGGGCCGCCCAACCCGGAGA
 CTCTGAGCTGCCGCCGCGGCCAACCAACCGCGGCCGCCGCCCAACTCGGTGCAGCCGGATCCGAG
 CGCGAGAGGCCCGGGGCCGCGCAGGCACCGGTGAGAGCTGGGAGCCTCGTGTCTTGCCCTACCATCCCG
 CGCAGCCAGGCCAGGCCACCAAGAAGGCCGTGAGAAGCTCGGTATATCAGCACGGAGCTGGGCATCAGGCA
 GAAGCTTCTGGTGGCAGTGTGACCTCACAAAGCCAGTTGGCTACACTGGGTGTGGCTGTAACCCGAACT
 CTGGGACACCGACTGGAGCATGTAGTGTCTGACCGGTGCGAGGGGCCGCCGGACACCTTCAGGCATGG
 CGGTGGTGGCACTGGGCAAGAGAGGCCCATCGGACACCTGCACCTGGCGCTGCCACCTGCTGGAGCA
 ACACGGCGATGACTTTGACTGGTTTTCTAGTGCCTGATGCCACCTATACTGAAGCGCATGGACTGGAC
 CGCCTAGCTGGCCACCTCAGCCTTGCTTCAGCAACCCATCTCTATCTTGCCCGGCCGAGGACTTCATCG
 GTGGAGATACTACCCAGGCCGCTACTGCCACGGGGGCTTTGGAGTCTTGCTCTCTCGCACACTGTACA
 GCAACTGCGCCCCACCTGAAAAGCTGCCGCAACGACATCGTCAGTGCTCGCCGGATGAGTGGTTGGGC
 CGCTGCATCCTTGATGCCACAGGCGTGGGCTGTACTGGTGACCACGAGGGAAATGCACTACAACCTACCTGG
 AACTGAGCCCCGGGAGCCTGTGCAAGAGGGGGACCCTCGTTTCCGCAGCGCCTTGACAGCCCATCCCGT
 GCGTGACCCTGTGCACATGTACCAGTGCACAAAGCTTTGCCCGCGTGAGCTGGACCCGACGTACCAG
 GAGATTAAGAATTGCAGTGGGAGATCCAGAATACCAGCCGACTGGCTGCTGATGGGAGAGAGCCTCTG
 CCTGGCAGTGGGCATCCAGCACCGTCTCGCCCTGCCCTCACGCTTTGAGGTTCTGCGCTGGGACTACT
 CACAGAACAATACGCGTTCTCCTGCGCCGATGGCTCTCCCGCTGCCCGTTGCGTGGGGCCGACCAGGCT
 GATGTGGCTGACGTCCTGGGACAGCCTTAGAGGAGCTCAACCGCGTTACCAGCCAGCGCTGCAGCTCC
 AGAAGCAACAGCTGGTGAACGGCTACCGCGTTTTGATCCAGCCGAGGCATGGAGTACACACTAGACCT
 GCAGCTGGAAGCGCTGACACCCAGGGTGGCCGCTGGCCCTCACCCGAGGGTGCAGCTCCTTCGGCCC
 TTGAGCCGAGTGGAGATCTTGCCCTGTACCCTATGTACCAGGCTTCTCGGCTCACTGTGCTACTGCCGC
 TGGCTGCAGCGGAACGAGACCTGGCTTCTGGCTTCTTAGAAGCCTTTGCCACTGCAGCCCTGGAACCTGG
 TGATGCAGCAGCCTTGACCCTGTGCTGTATGAGCCACGCCAGGCCAGCGGGCAGCCCACTCAGAC
 GTCTTCGCACCTGTCAAGGCCACGTGGCAGAGCTAGAGCGGCGTTTCCCTGGTGCCCGGTGCCCTGGC
 TCAGTGTGCAGACAGCAGCGCCCTCCTCACTGCGTCTCATGGATCTGCTGTCCAAGAAGCACCCACTAGA
 CACTCTGTTCTGCTGGCCGGCCAGACACGGTACTCACACCTGATTTCCCTGAACCGCTGCCGCATGCAT
 GCCATCTCTGGCTGGCAGGCCTTCTTCCCATGCACTTCCAGGCCTTCCACCCTGCTGTGGCTCCACCTC
 AGGGCCCTGGGCCACCAGAGCTGGGCCGTGACACCGGTCACTTTGATCGCCAGGCTGCCAGTGAGGCATG
 CTTCTACAACCTCCGACTATGTGGCGGCCGTGGCCGGCTGGTGGCGGCCCTCGGAGCAGGAGGAGGAGCTG
 CTGGAGAGCCTGGATGTGTACGAGTTGTTTCTGCGCTTCTCCAACCTGCACGTGCTGAGAGCAGTAGAGC
 CAGCCTTGCTGCAGCGCTACCGGGCCAGCCGTGCAGTGCACGGCTCAGTGAAGACCTTTACCACCGCTG
 TCGCCAGAGCGTACTTGAGGGCCTTGGCTCCCGCACCCAGCTTGCCATGCTGCTCTTTGAGCAGGAACAG
 GGAACAGCACCTAA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
 ACCN: NM_001001566
 Insert Size: 2325 bp

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:	NM_001001566.3 , NP_001001566.1
RefSeq Size:	3107 bp
RefSeq ORF:	2325 bp
Locus ID:	74241
UniProt ID:	Q6IQX7
Cytogenetics:	1 39.14 cM
Gene Summary:	<p>Has both beta-1,3-glucuronic acid and beta-1,4-N-acetylgalactosamine transferase activity. Transfers glucuronic acid (GlcUA) from UDP-GlcUA and N-acetylgalactosamine (GalNAc) from UDP-GalNAc to the non-reducing end of the elongating chondroitin polymer (By similarity). Isoform 2 may facilitate PRKN transport into the mitochondria. In collaboration with PRKN, isoform 2 may enhance cell viability and protect cells from oxidative stress (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a). 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>