

Product datasheet for **RN202158**

Cp (NM_012532) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cp (NM_012532) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cp
Synonyms:	CERP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN202158 representing NM_012532 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTTTTGCTGCTTAGTGCACTTTTATTTTTGCATAGTTCCTTAGCTTGGACAAGAGAAAAGCATT
ATTACATCGGAATTACTGAAGCAGTTTGGGACTATGCTTCTGGCAGTGAAGAAAAGGAACCTATTTTCAGT
TGACACGGAACAGTCCAATTTCTATCTCGAAATGGTCCAGATCGTATTGGAAGAAAGTATAAGAAGGCC
CTTTATTCTGAGTACACAGATGGCACCTTTACGAAGACTATAGACAAACAGCCTGGCTAGGGCTTTTAG
GCCCTGTCATCAAAGCTGAAGTTGGAGACAAAGTTTCTGTTACGTAAGAACTTTGCTCTAGGCCCTA
CACTTTTCATGCTCATGGGGTAACTTACACCAAGGCGAACGAGGGGGCCATCTACCCTGACAACACCACT
GATTTTCAAAGAGCCGATGACAACTGTTTCTGGACAGCAGTATTTGTACGTGCTGCGTGCCAATGAGC
CAAGTCTGGCGAGGGAGACAGCAATTGTGTGACCAGGATTTACCACTCTCATGTGGATGCTCCAAAAGA
TATTGCATCAGGACTCATAGGACCGTTGATACTCTGTAAGAAAGTTCTCTGCATAAGGAAAAGAGGAA
AATATTGACCAAGAATTCGACTGATGTTCTCTGTGGTGGATGAAAATCTCAGCTGGTATCTAGAAGATA
ACATCAAACCTTCTGCTCGGAACCAAGAAAGTAAAGACAATGAAGACTTCCAGGAAAGCAACAG
GATGTACTCTATAAATGGATATACATTTGGAAGCCTCCAGGGCTCTCGATGTGTGACAGAACAGAGTG
AAGTGGTACCTTTTTGGGATGGGAATGAAGTTGACGTGCATTCAGCGCTCTTTCATGGTCAAGCCCTGA
CCAGCAAGAACTATCATACTGATATAATCAACCTGTTCCCTGCCACTCTAATTGATGTTTCTATGGTGGC
CCAGAATCCTGGAGTCTGGATGCTCAGTTGCCAGAACCTGAACCATCTGAAAGCTGGTTTGCAGGCCCTT
TTCCAGGTTCTGACTGCAACAAGCCCTCACCGGACGACGATATCCAAGACAGACATGTGAGACATTATT
ACATCGCTGCCGAGGAGACCATTGGGACTATGCTCCGCTGGGACAGACACCTTACTGGAGAGAAGCTT
AACCAGTCTGGGAAGTATTCAAGGGTATTTTTGAGCAAGGTGCTACAAGAATTGGTGGCTCTTATAAA
AAATTGGTTTATCGTGAGTACACAGATGATTCCTTCAAAACCGAAGCAAGAGGCCCTGATGAGGAAC
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AGGACAATTTCTCTCAGCATTAGCCAATGGGGTAAGATTCACCAAGGAAAATGAGGGAACTACTAT
GGCCAGATGGCCGTTCTCAAAGCAAGCCTCCCATGTGGCTCCCAAAGAAACCTTTACGTATGAATGGA



CTGTCCCAAAGAAATGGGACCCACTTATGCAGATCCTGTGTGCCTATCTAAGATGTATTATTCTGGAGT
 TGACCTCACCAAAGATATATTTACTGGGCTTATTGGCCAATGAAAATATGCAAGAAAGGCAGCTTACTT
 GCAGATGGGAGACAGAAAGATGTAGACAAGGAGTTCTACTTGTGGCAACAGTGTGGATGAGAATGAGA
 GTTTACTCTTGGATGATAATATCAGAATGTTCAACAACGACCTGAGAATGTGGACAAGGAAGATGAAGA
 CTTTCAGGAGTCCAACAAGATGCACTCCATGAATGGATTCATGTATGGCAATCTGCCTGGCCTCAATATG
 TGTCTAGGAGAATCCATCGTGTGGTATTTGTTTCAGCGCTGGAAATGAGGCAGACGTGCATGGGATATACT
 TTTTCAGGAAATACCTATCTGTCCAAAGGAGAAAGAGACACTGCAAATCTATTTCTCATAAAAAGTCT
 CACCTTCTCATGACACCTGACACAGAAGGGTCTTTTGTGTTGAGTGTCTTACAACAGATCACTACACC
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 GAGAAAGGACCTACTATATTGCAGCAGTGGAGGTGGAATGGGATTATTCACCAAGCAGGGACTGGGAAAT
 GGAGCTGCACCATTTGCAAGAGCAAAAATGTTTCAAATGCATTTTTGGATAAGGAAGAGTTTTTCATAGGC
 TCAAAGTACAAGAAGGTTGTGTATCGAGAGTTTACTGACAGCACATTAGAGAACAGGTGAAGAGAAGAG
 CTGAAGAGGAGCACTTGGGCATCCTCGTCCACTGATTCATGCAGATGTTGGAGACAAAGTTAAAGTTGT
 CTTTAAAAATATGGCAAGCAGGCCATATCAATACATGCCACGGAGTAAAAACAAGAGTTCTACAGTT
 GCTCCAACGTTACCAGGTGAAGTTCGCACCTATATATGGCAAATCCAGAAAGATCAGGTGCTGGAACGG
 AGGATTCACCTTGTATCCCATGGGCTTATTACTCAACCGTGGATCGAGTTAAGGATCTCTATAGTGGCT
 AATAGGCCATTGATTGTTTGTGCGAAATCTTATGTGAAAGTATCAATCCTAAAAAGAAAATGGAGTTT
 TCCTTTTGTTCAGTATTTGATGAGAATGAATCTTGGTACTTAGATGATAACATCAATACATACTCTG
 ATCACCTGAGAAAGTAAACAAAGACAACGAGGAATTCATAGAAAGCAATAAAATGCATGCTATCAATGG
 GAAAATGTTTCGAAACCTACAAGGTCTCACGATGCACGTGGGAGACGAGGTCAACTGGTATGTGATGGCT
 ATGGGCAATGAAATAGACCTGCACACTGTACACTCCACGGCCACAGTTCCAATACAAGCACAGGGGAA
 TTCATAGTTCTGATGTCTTTGACCTTTTTCCTGGAACATACCAAACCTAGAGATGTTTCCCAAACGCC
 TGGAACCTGGTTACTCCACTGCCATGTGACTGACCATATTCATGCGGGGATGGTAACTACCTACACTGTT
 TTACCAAATCAAGAGACTAAGTCTGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012532
- Insert Size:** 3180 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:**
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_012532.2](#), [NP_036664.2](#)
- RefSeq Size:** 3732 bp

RefSeq ORF: 3180 bp

Locus ID: 24268

Cytogenetics: 2q24

Gene Summary: copper-containing ferroxidase that promotes iron incorporation into transferrin; plays a role in iron metabolism and homeostasis [RGD, Feb 2006]

Transcript Variant: This variant (1) represents the longer transcript and encodes a secreted protein (isoform 1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.