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Product datasheet for MC205260

Cp (NM_007752) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cp (NM_007752) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cp
Synonyms:	D3Ertd555; D3Ertd555e
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC062957

ATTCCTTTGTAGTTAGAGAAGCCTGGCCACAGGGAACTGTGTTTGTTTTGGTTTTTCCCCTTCGTGGTTT
ACCAGAACCAATCTGAGTTGGAAAATGCTATTTGCTTTAAAGAAATTAGTTACTCTTTTGCAACATTAAA
TTGTGTCAGCCAAGCAAATGAAGCCCTATTTATAAAATTGCTTGCTTCTGGTTTCACTTTATTGCATCGT
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GAAGAAAATATAAGAAGGCCCTTTATTTTGAGTACACAGATGGCACCTTTAGTAAGACTATAGACAAACC
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AACCTTGCCTCTAGGATCTACACTTTTCATGCACATGGGGTAACGTACACCAAGGAGTATGAGGGAGCCG
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AGAAACCTTTACATACGAATGGACTGTCCCCAAAGAAATGGGACCCACTTATGCAGATCCTGTGTGCCTA

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TCTAAGATGTACTACTCTGGCGTTGACCCCACCAAAGATATATTTACTGGGCTTATTGGGCCAATGAAAA
TATGCAAGAAAGGCAGCTTACTTGCTGATGGGAGACAGAAAGATGTAGACAAAGAGTTCTACTTGTTTCC
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CGATAAGTGGAAAACGAGAACAATGAGTCATTTCAAACATTTCAAAAAAAAAAAAAAATCCAAGCCACACA
ACTGTTCATTTGCGAGGGACCTGGTAATCCTACAGATGGACAGAGCAACAGACTGATTCATGCCATGCAT
TTGTTCGCTGGGTAACAGAATCACTTGACACAGCCCACTTATCTGCACTGAAAGGACTCTGGCTCTTTAA
GCTCTCACCTTTCTTATTCTCATCTCTAGCCCTCTTTCTCCTCCCCACCCCAACATGGCTATGGCCAGTC
TCTCTTCTCTTTCTCCCTGCCTTCCTACAATAAAGCTCTAAAACCATAAAAAAAATATTAAAAAAAAAAA
AAGAAAAGGACTCTGCAAAGTGGCGCCAAATAAACAAACTCATGATGAAAAAAAAAAAAAAAAAAAAAA A

Restriction Sites: AscI-NotI

ACCN: NM_007752

Insert Size: 3186 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: BC062957, AAH62957

RefSeq Size:	3851 bp
RefSeq ORF:	3186 bp
Locus ID:	12870
UniProt ID:	Q61147
Cytogenetics:	3 A2
Gene Summary:	The protein encoded by this gene is a copper-containing glycoprotein found soluble in the serum and GPI-anchored in other tissues. It oxidizes Fe(II) to Fe(III) and is proposed to play an important role in iron homeostasis. In humans mutations of this gene cause aceruloplasminemia, which is characterized by retinal degeneration, diabetes, anemia and neurological symptoms. In mouse deficiency of this gene in combination with a deficiency of its homolog hephaestin causes retinal degeneration and serves as a pathophysiological model for aceruloplasminemia and age-related macular degeneration. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jan 2013] Transcript Variant: This variant (2) encodes isoform b.