

Product datasheet for **MC203884**

Mgarp (NM_026358) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mgarp (NM_026358) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mgarp
Synonyms:	4930583H14Rik; AI195347; CESP-1; HUMMR; Osap; Qsap
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC012511 TGATCCGCTGCTGAATCTGAGCGCATCTGGCGATGTATCTCCGCAAGGCTGTGTCCAAGACTCTGGCGCT GCCCGGAGGGCGCCCCGGGTCCCGCGCCGCTGGGAAGGACGCATCTCTTCGCGCAATGTCATCCAGG AAATTCCTGGAACATCTGGCTCCAATATGATCTATTACCTGGTTGTAGGTGTGACAGTCAGTGCTGGTG GATATTACACTTACAAGGCTTTAACATCAAGCAAGTGAGACGTACAGAACATGTAGCTGAACCGAAAGA ACAAACAAGGGGAGTTGCAACCACTTCAGGTGAAAAGGAAGAGCATGTGGCAGAAGCCGAGCAAGTG TGTTTCAGAGCCTGGAGACTGCTGTAACGGAAGCTGAATCGGTAGATGCTGAGGAAGTCCAGAGGCTG CAGTTGTGCTTCCAGAAGAGTCTCAGGCCCTCCGCCCTCCGAGGTCCCTGCCAAGCTGCCGTGGTGA GGCATCCTTATCGAGCTCAGAGCCTGAGCTGAAGATAACCGAGGCTTCCCTGGTGGAGACTACCGAGAGT GTCCTGAGTCTACTCAGGAGGTGGAGAGTGCAGCCCCAGACCAGGATGACGTTTGAATGAGGGGGCTG ATACTAGCCAGGAGGGCGCTGATACCAGCCAGGAGGGGGCTGATACCAGCCAGGAGGGCGCTGATACCAC CAAGGAGGAGGCTGATAACAGCAAGGAGGCTGAAGGTACCACTACTGAGGACCCGCGCTCGATCTCCGAG GAGAGTGCCGAAGTAGAAGAAAGCCCTCCCTTAGGCTCAGAACCCTGCCAGCCTGAGTCACAAGAAG AAGAAACCAGGTCACAGAGGAAACAGCATCACCCCAAGGTTGATCTGCAAAATTCTATAGTTGCTTTTG TATTTTTAGTGACCTTAGCCCTTCTTCTAGAATATTTAATACCTTAAAGAAATTTAACTTTACTAAT AGATATTTGATTGGGAGTTGGTATTTTACAAGTCTAATAGTTTTTCCACCCTCTAAAATCAGGCTGTGT TAAGACCTTAAATAGTGTAAAGTTTGGATTTAAGTTTTACGTTTTAGAACTGAGTTATCTATGCAACCG GTGTCACCTTTGATTTTCCCTTTGCCTTTCTTACTTTTGTCTATGTAAGACCAGATTACTGGGTTTGCTG TGAACCTATTTAAATAAAATTAGAAAATCCTAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_026358
Insert Size:	852 bp



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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:	BC012511 , AAH12511
RefSeq Size:	1238 bp
RefSeq ORF:	852 bp
Locus ID:	67749
UniProt ID:	Q8VI64
Cytogenetics:	3 C
Gene Summary:	Plays a role in the trafficking of mitochondria along microtubules. Regulates the kinesin-mediated axonal transport of mitochondria to nerve terminals along microtubules during hypoxia. Participates in the translocation of TRAK2/GRIF1 from the cytoplasm to the mitochondrion. Also plays a role in steroidogenesis through maintenance of mitochondrial abundance and morphology.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the protein-coding transcript for this gene.