

Product datasheet for MC203379

G6pc3 (NM_175935) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	G6pc3 (NM_175935) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	G6pc3
Synonyms:	0710001K01Rik; AU019276; AU045429; AV128920; AW545836; UGRP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	<p>>BC069959</p> <p>GCCGGAGGAAACAGTACCAGCTACGGCTCCAACCTCGCGGTGTACAGGACTGCGGGGCGGGGCGGGGGCG GGGGTGGGGCTTGGTTTAGACCCCGCGGGTAGGGCGGGGCGGGGGCTAGAAAGGGTGGGCTCTAGAG GGCCAGCAGGTAGCCGCTTCATTTCTGCTAAGGTTCTCGACTTGCACCCCTACAACGGGCTCCAGGCTAG AGGACTCCTGATTACCATGGAGTCCACGCTGAGCGGGGCATCATAATGGCTGAAGCACTACAGAACCG GCTTCCCGGGCTAGAGAATATGTGGCTCTGGGTACCTTTCTGGGCGATCCTAAGAATCTTTTTAGTTC TGCTTCCCGGGGCTACTACGCTCCCGCGCTGGGCATCTCCGTGCTCTGGATCACCTTCATTGCTG AGTGGCTCAACCTTGTCTCAAGTGGTTTCTGTTGGAGACAGGCCCTTTTGGTGGGTGCATGAATCCGG GTACTCCACCCAGACTCCAATCCAGATTACCAGTTCCCTTCTTCTGTGAGACTGGTCCAGGCAGCCCC TCCGGCCACTGCATGATCACAGGCGCAGCTCTTGGCCTGTAATGACGGCATTCTTCTCAGTGGCTT CTCGGTCCCGCAGCCCCGGGTGAGGGTATTCTGGCCTGGCTTATTGTACCTTCTATTGGCAGTCGG CCTATCTCGGGTCTTCTCTTAGCACATTTCCCTACCAAGTGTGGGCGGCTTATTGTTGGTGTCTGCC CTTGGCTGGCTAATGAGCCCCGGGTACCCATGGAGCGGGAGCTTAGCTTTATGGGTTGACTGCTCTGG CCCTCATGCTGGGTGCCAGCCTCATGTATTGGACTCTCTTTACACTGGGCTAGATCTTTCTGGTCCAT CAACCTGGCTTCCAAGTGGTGTGAACGGCCGAGTGGGTGCACATGGACAGTCCGGCTTTTGGCTCACTG AGCCGTGACTCAGGATCTGCCCTGGGTCTGGGCATTGCCCTCCACACTCCCTGCTATGCCAGATACGGC GGGCGCACCTAGGGAATGGCCAGAAAATAGCTTGTCTTGTGCTGGCCATGGGGTCTGGTCTTCTGGA ATGGCTGGGTACCCACCTCAGATCAGCCTCTTACATCTTCAACTTCTCAAGTATACCTCTGGCCG TGCTGGTCTTGGCCCTTGTGCCCTGGGTGGTGCACACATTGAGTGACCAGGAAGCACCGCCCATTCGCT CCTCTTGATGTGTTTTGCCTCCCTTGCCTTGCCTTGCCTTGCCTTGCCTTGCCTTGCCTTGCCTTGCCT CAGCCCTTTCTGGGCTCCGGAGCAGGCCGCTCACCTTGAACCTCATTCTGTCTCATGCTTTGCAGT CTTAGCTCCCTTTAAAGAAGGACTCTGTTTCCAGGAGGCTAAGCCATCCCCAGGTCCCCACAAAGCA AAAGCAACAGGAGGCCTGGTGGGAGGGGGAGCTGCTCAGGAAGACCCCAATAAAGCCCTTGAACCTGT GAAA AA</p>
Restriction Sites:	RsrII-NotI



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ACCN:	NM_175935
Insert Size:	1041 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:	BC069959 , AAH69959
RefSeq Size:	1612 bp
RefSeq ORF:	1041 bp
Locus ID:	68401
UniProt ID:	Q6NSQ9
Cytogenetics:	11 D
Gene Summary:	Hydrolyzes glucose-6-phosphate to glucose in the endoplasmic reticulum. May form with the glucose-6-phosphate transporter (SLC37A4/G6PT) a ubiquitously expressed complex responsible for glucose production through glycogenolysis and gluconeogenesis. Probably required for normal neutrophil function.[UniProtKB/Swiss-Prot Function]