

Product datasheet for **RN202088**

G6pc (NM_013098) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: G6pc (NM_013098) Rat Untagged Clone
Tag: Tag Free
Symbol: G6pc
Synonyms: G6Pase
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202088 representing NM_013098
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGGAAGAATGAACGTGCTCCACGACTTTGGGATCCAGTCGACTCGCTACCTCCAAGTGAATTACG
 AAGACTCCAGGACTGGTTTGTCTTGGTGTCTGTGATCGCTGACCTCAGGAACGCCTTCTATGTCCTCTT
 TCCCATCTGGTCCACATTCAAGAGACTGTGGGCATCAATCTCCTCTGGGTGGCAGTGGTTGGAGACTGG
 TTCAACCTCGTCTTTAAGTGGATTCTTTTTGGACAGCGCCGATTTGGTGGGTCCCTGGACTGACTATT
 ACAGCAACAGCTCCGTGCCTCTGATAAAACAGTCCCCCGTCACCTGTGAGACTGGACCAGGGAGTCCCTC
 GGGCCATGCCATGGGCACAGCAGGTGTATACTACGTTATGGTTACTTCTACTCTCGCTATCTTTCGTGGA
 AAGAAAAAGTCAACGTATGGATTCCGGTCTTGAATGTCGTCTTGTGGTTGGGATACTGGGCTGTGCAGC
 TGAACGTCTGTCTGTCCCGGATCTACCTTGCGGCTCACCTTCCCATCAGGTGGTGGCTGGAGTCTTGTCT
 AGGCATTGCTGTGGCTGAACTTTCAGCCACATCCGGGGCATCTACAATGCCAGCCTCCAGAGGACTGT
 CTCATCACCTTCTCTGTTTGGTTTTCGCACTTGGATTTACCTGCTGCTAAAGGGCTAGGGGTGGACC
 TCCTGTGGACTTTGGAGAAGGCCAAGAGATGGTGTGAGCGCCCGAGTGGTCCACCTTGACACTACACC
 CTTTGCCAGCCTTTCAAAAACCTGGGGACCCTTTGGGGTTGGGCTGGCCCTCAACTCCAGCATGTAC
 CGCAAGAGCTGCAAAGGAGAAGTGCAGCAAGTCCGCTCCATTCCGTTTGGCCTGCATCGTGCCTCCTTGG
 GCCTGCTGCATCTTTGACTCGCTGAAGCCCCGTCAGATTGAGTCGATCTTCTACATCTTGTCTTT
 CTGCAAGAGTGCAGCCGTCCTTTGCATCTGTGAGTCTTATCCCTACTGCCTAGCCCGCTCCTGGGA
 CAGACACACAAGAAGTCTTTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013098



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Insert Size:	1074 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:	<u>NM_013098.2</u> , <u>NP_037230.2</u>
RefSeq Size:	2293 bp
RefSeq ORF:	1074 bp
Locus ID:	25634
UniProt ID:	<u>P43428</u>
Cytogenetics:	10q31
Gene Summary:	catalyzes the conversion of D-glucose 6-phosphate and H2O to D-glucose and phosphate in gluconeogenesis [RGD, Feb 2006]