

Product datasheet for **RN215659**

H6pd (NM_001106698) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H6pd (NM_001106698) Rat Untagged Clone
Tag:	Tag Free
Symbol:	H6pd
Synonyms:	H6pdh
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215659 representing NM_001106698
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGAAGTGCACAGGCATTTGGAAGATGCTCGTGGCAGCCGTGTGCTTGGCCCTTCTGGGCTGCCTGCAGG
 CACAGGAATTCAGGGGACATGTTTCCATAATCCTACTAGGAGCAACCGGGACCTAGCTAAAAAGTACCT
 GTGGCAGGGACTGTTCCAGCTATACCTGGATGAGGCTGGGAAGGGCCACAGTTTCCAGCTTCCACGGGGCC
 GCCCTGACAGCCCCCAGCAAGGCCAGAAGCTCATGGATAAGGCTTTGGAATCCCTCTCCTGCCCAAGG
 ACCTGGTACCCAGTGCCTGCGATGAACTCAAGGCTCAGTTTCTGCAGCTGAGCCAGTACCGCCAAGTAA
 GACAGTGGAGGACTATCAGACTCTCAACAAGGACATCGAGACCCAGGTCAGCAGGATGGGCTCTGGGAG
 GCCGGCAGGGTCTTCTACTTCTCCGTGCCGCCGTTCCGCTACGCCGACATTGCCCGTAACATCAACAGCA
 GCTGCCGACCACCCAGGCGCTGGCTACGGGTTGTTTTGAAAAACCTTCGGCCATGACCACCTCTC
 AGCCAGCAGCTGGCTTCAAGACTTGAAGCTTTTTCCAGGAAGAGGAGATGTACCGTGTAGATCATTAC
 CTGGGCAAGCAGGCGGTGGCTCAGATCCTGCCCTCCGAGATCAGAACCAGCAAGGCTTGGATGGCTCT
 GGAACAGGCACCAGTGGAGCGGGTGAATCATCTTGAAGGAGACCGTGGATGCAGGAGTCCGGGCCAG
 TTTCTACGAGGAGTATGGCGTCATCCGAGACACGCTGCAGAACCACCTGACTGAGATCCTCACGCTGGT
 GCCATGGAAGTGGCCCAACATCAGCAGCTCAGCCGCGGTGCTCCAGCACAAGTCCAGGCCTTCCAGG
 CCCTGCGGGGGCTGCAGAAGAGCAACGCCATCCTGGGCCAGTACCAGGCCTATAGTGGGCAGGTGCGCCA
 AGAGCTGCAGAAGCCAGACGGTTTCCAGAGCCTGACGCCAACCTTCGCAGGTGTCCTTGTCCACATCGAC
 AACCTGCGCTGGGAGGGCGTCCCTTTCATCCTGATGTCTGGCAAGGCCTTGGACGAGAGTGGGCTATG
 TTCGGATCTTGTAAAGAATCGGGCGTACTGCACCCAGGGCGAGAGACTGGGTGCCGGAACGGAGCCG
 GTGCCGTGCCACGAGATTGTCTTCTACATTGGACACGGTGAGCTGGGCCACCCTGCCATCCTGGTCAGC
 AAGAACCTGTTCAGCCCTCTCTACCCGCTCAGAGCTGGAAGGGGGTGCAGGACCAGCCTGGGCTCCACC
 TCTTTGGCCGCCACTGTCCGATTAATGCTATAGGCCGTCGCGGAGCAAGTGCCTACTCCACGCT
 CCTGTCCACATCTTCCACTGCCCAAGGAGTCTTTCATCACCACAGAGAACCTTGGCCCTCTGGGTC
 TTCTGGACCCCGTGTGGACAGCCTGTCTTTGAAGTCCACGCTGTACCCAGGAGGCGCGGAGAACG
 ACCATCTGCTAGACTTCGAGTTTAGCGGGGTGAGCTGACCTTCTCCAGCAGCAGTAGAGGTGCTGAT
 GCCAGAAGTGGGTGAGTCCAAAGCCAGCGACTTCCAGGTCTTAGGGCCAGTATAGAAAGAGCCCA
 CTGATTACTGCCTGGCCAGAGGAGTGTCTCCAAGCTGGCCAATGACATCGAAGCCGCCAGTGCAGG
 CGGTAAGGCGCTTCGGCAAGTCCACCTGGCACTGTGAGGGGTTGAGGCCCATAGCGCTTCCAGCA
 GCTGGCCACGGGGCATTACAGCTTCCCCTGGGCCTACACGCACCTCTGGCTGGTGCATGAGCGTTGTGTC
 CCTCTGTGAGTCCAGACTCCAAGTCCAGGCTGTGAGGCTCATCTGCTGCAGCAGTCCAGGTTGCCCT
 ACTACAATATCCACCCATGCCGGTGCACCTGCACCAGCGGCTCTGTGCTGAGGAGGACCAGGGGGCTCA
 GACCTATGCCAGCGAGATCTCAGCCCTGGTGGCCAACAGCAGCTTTGACCTGGTGTGCTAGGCATGGGC
 ACCGATGGGCACACGGCTTCTCTGTTCCACAGTACCCAGGGGGCTGGATGGTGACCAGTTGGTGGTGC
 TCACGGAGAGCCATTACGGCCACCAACGCATGAGCCTCAGCCTGCCCTCATCAACGGGGCCAAAGAA
 GGTAGCTGTCTGGTTCATGGGAAGGACAAAACGTGAGATCACACGCTGGTGAGCCGCGTGGGCCATGAG
 CCAAGAAGTGGCCATCTCGGGTGTGGTGCCTTTCTGGACAGCTGGTTTGGTACATGGACTATGAGG
 CCTTCTGGGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001106698
Insert Size: 2394 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_001106698.1</u> , <u>NP_001100168.1</u>
RefSeq Size:	4724 bp
RefSeq ORF:	2394 bp
Locus ID:	298655
Cytogenetics:	5q36