

Product datasheet for **RN206722**

Dhfr (NM_130400) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dhfr (NM_130400) Rat Untagged Clone
Tag: Tag Free
Symbol: Dhfr
Synonyms: Dhfr1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN206722 representing NM_130400
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTTCGTCGCTGAACTGCATCGTCGCCGTGCCAAAATATGGGCATTGGCAAGAACGGAGACTTAC
CCTGGCCTCTGCTCAGGAATGAGTTCAAGTACTCCAGAGAATGACCACAACCTCTTCAGTAGAAGGTAA
ACAGAATCTGGTGATTATGGGTAGGAAAACCTGGTTCTCCATTCTGAGAAGAATCGACCTTTAAAGGAC
AGAATTAATATAGTTCTCAGTAGAGAACTCAAGGAACCACCACAAGGAGCTCATTTTCTTGCCAAAAGTC
TGGATGATGCCTTAAAACCTATTGAACAACCAGAGCTAGCAAGTAAAGTGACATGGTCTGGGTAGTCGG
AGGCAGCTCTGTCTACCAGGAAGCCATGAATCAGCCAGGCCACCTCAGACTCTTTGTGACAAGGATCATG
CAGGAGTTTGAAGTGACACATTCTCCAGAAATTGATTTGGAGAAATATAAATCTCTCCAGAATACC
CAGGCGTCTCTCTGAGATCCAGGAGGAAAAAGGCATCAAGTACAAGTTTGAAGTCTATGAAAAGAAAGA
CTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_130400
Insert Size: 564 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).



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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_130400.2</u> , <u>NP_569084.1</u>
RefSeq Size:	760 bp
RefSeq ORF:	564 bp
Locus ID:	24312
UniProt ID:	<u>Q920D2</u>
Cytogenetics:	2q12
Gene Summary:	key component of purine and pyrimidine biosynthesis pathway; NADPH-dependent molecule reduces dihydrofolate to tetrahydrofolate [RGD, Feb 2006]