

Product datasheet for **RR209285**

Dhps (NM_001004207) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dhps (NM_001004207) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dhps
Synonyms: MGC94237
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209285 representing NM_001004207
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGGGACCCGTCGGGGCGGCCCTCCTCGGCGCTGGCCGCTGTGCTCAAGCACAGCTCAGCGT
TGCCGCCCGAGAGCGCCAGGTCAAGGTTACGACTTCAACCGGGGTAGATTACCACGCGTTCTGGA
AGCCTACGGCACCACCGCTTCCAGGCCACCAACTTCGGGCGCGGGTGCAGCAAGTCAAGCCATGATT
GAGAAGAAGCTGGAACCACTGGCAGTAGATGAAGATCATCACGAAGACCTGACTCAGAGCCCGCCCCAC
TCACAGGCTGCACATTTCTTGGGCTATACGTCCAACCTCATCAGTTCTGGCATCCGGGAGACCATTCTG
CTACCTCGTGCAGCACAATATGGTGGATGTACTGGTGACCACTGCTGGAGGGGTGGAAGAAGATCTCATC
AAGTGCCCTGGCACCCACATATCTGGGCGAGTTCAGCCTCAGGGGGAAGGAGCTCCGGGAGAATGGGATCA
ACAGGATCGGGAACCTGCTGGTGCCAAATGACAATTATTGCAAGTTTGAGGACTGGCTCATGCCCATCCT
AGACCAGATGGTGCAGGAGCAGAATACAGAGGGTGTGAAGTGACACCTTCCAAGATGATCTCCCGGCTT
GGGAAGGAGATCAACAACCCAGAGTCTGTGTATTATTGGGCCATAAGAACCACATACCTGTGCTGATC
CTGCCTCACAGACGGCTCACTGGTGACATGATCTTTTCCATTCTATAAAAAACCCAGGCTTGGTCTC
GGACATCGTTGAAGACCTGCGGCTCATCAACATGCAGGCCATTTTCGCCAAGCGCACTGGGATGATCATC
CTGGGTGGAGGCGTGGTCAAGCACCATCGCCAAATGCTAACCTCATGCGGAATGGAGCTGACTACGCTG
TTTATATCAACACAGCCAGGAGTTTGATGGCTCAGACTCAGGAGCCCGCCAGATGAGGCTGTCTCCTG
GGGCAAGATCCGGATGGATGCACAGCCAGTAAAGGTCTATGCTGATGCATCTCTGGTTTTCCCTTGCTG
GTGGCTGAGACATTTCGCCAAAAGGCAGATGCCTTCAGAGCTGAGAAGAATGAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209285 representing NM_001004207
 Red=Cloning site Green=Tags(s)

MEGTPSGAAPSSALAAVLKHSSALPPESAQVQGYDFNRGVYHALLEAYGTTGFQATNFGRAVQQVNAMI
 EKKLEPLAVDEDDHEDL TQSRRLTGCTIFLGYT SNLISSGIRETIRYL VQHNMVDVLVTTAGGVEEDLI
 KCLAPTYLGEFSLRGKELRENGINRIGNLLVPNDNYCKFEDWLMPI LDQMVQE QNTEGVKWTSPKMI SRL
 GKEINNPEVSYYWAHKNH I PVLSPAL TDGSLGDMIFFHSYKNPGLVLDI VEDLRLINMQAIFAKRTGMII
 LGGGVVKKHIIANANLMRNGADYAVYINTAQEFDGSDSGARPDEAVSWGKIRMDAQPVKVYADASLVFPLL
 VAETFAQKADAFRAEKNE D

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

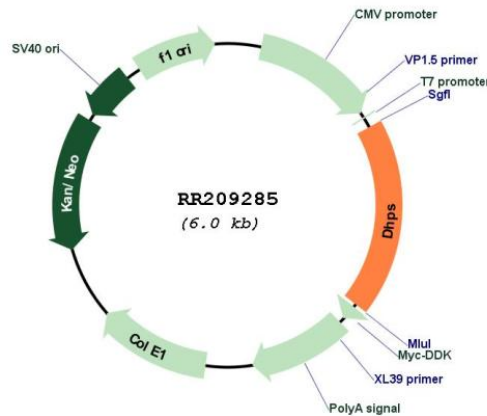
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004207

ORF Size:	1107 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001004207.1 , NP_001004207.1
RefSeq Size:	1341 bp
RefSeq ORF:	1110 bp
Locus ID:	288923
UniProt ID:	Q6AY53
Cytogenetics:	19q11
MW:	40.7 kDa
Gene Summary:	human homolog catalyzes the first step in the post-translational modification of a lysine residue in the precursor eukaryotic initiation factor 5A (eIF5A) to the amino acid hypusine [RGD, Feb 2006]