

Product datasheet for **RR210095**

Aasdhppt (NM_001106798) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aasdhppt (NM_001106798) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aasdhppt
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR210095 representing NM_001106798 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTTCAGCCAAGAGGCTGTGTGGTCCCGTACATGGAGGGCGTTTCGCTGGGCCTTTCTCTGCC
GCACCTGGCTGCCAAGTCCAGCCGAATGGCTTCTGGCGGTGCGATCGATCCAGCCAGGAGAAGGAGCG
CATCGGCCAGTTCGTGTTTGTCTCGCAGCCTAAGCGGCCTTGGCTGGTCTTATGATAAGGAAATTA
GTTGCAGAGAAATTGAATATCCCTTGGGATCACATCCGTCTGCAGAGAACTTCAAAGGAAAGCCAATTT
TGGCGAAAGACACGTTGAATCCTTATCCCAATTTCAACTTTAACATCTCTCATCAAGGGGACTATACAGT
TCTTGCCGAGAACCTGAACTACAAGTTGGTATTGATATCATGAAGACTAGTTTTCCAGGTCTGGTTCA
ATTCCAGAATCTTTATATCATGAAAAGAAAGTTTACAAACAAGGAGTGGGAAACAATCAGAAGTTTTTA
ATGATGAATGGTCTCAACTGGATATGTTTTACCGGCATTGGGCACTGAAAGAAAGCTTCATAAAAGCCAT
TGGTGTGGACTGGGATTTGAAATGCAGCGCTTGAATTTGATGTATCTCCATTAAGCATGGACATCGGC
CAGGTTTATAAGGAAACACGTTTGTATTTGGATGGGGAAGAAGAAAGGAATGGGCCTTTGAGGAAAGCA
AAATAGATCAACACCATTTGTTGCGGTGGCTCTTAGGAAGCCTGATGGATCTAGACATCAAATGTTTC
ATATCAAGATGATTCTAAGCCATCTCAGAGGCAGTTCACCATTCTTAACCTTAATGACTTGATAGCATCT
GCTATTCCATGACACCTGAGGATCCTTCAATTTGGGACTGCTTTTGTTCACAGAAGAAATTTCTAATAC
GAAATGGTTCCAAGTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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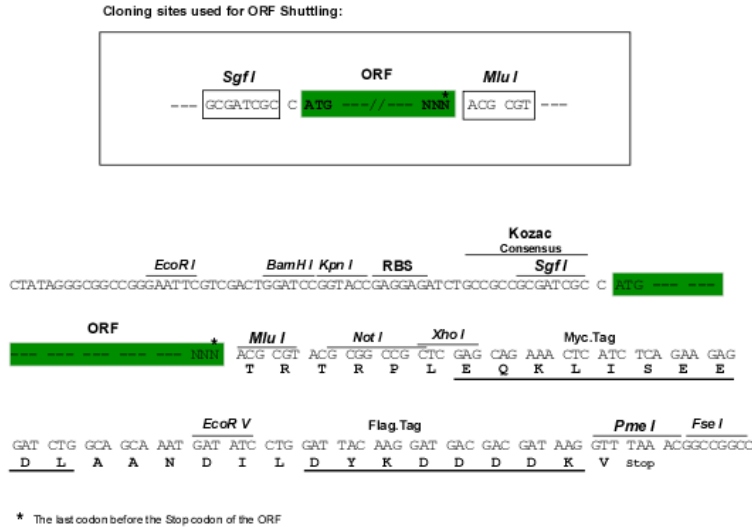
Protein Sequence: >RR210095 representing NM_001106798
 Red=Cloning site Green=Tags(s)

MVFPKRLCVVPYMEGVRWAFSCGTWLPSPAEWLLAVRSIQPEEKERIGQFVFARDAKAALAGRLMIRKL
 VAEKLNIPWDHIRLQRTSKGKPIAKDTLNPYPNFNFNISHQGDYTVLAAEPELQVGDIMKTSFPGRGS
 IPEFFHIMKRKF TNKEWETIRSFNDEWSQLDMFYRHWALKESFIKAIGVGLGFEMQRLEFDVSPLSMDIG
 QVYKETRLILDGEEKEWAFEESKIDQHFFVAVALRKP DGSRHQNVSYQDDSKPSQRQFTILNFNDLIAS
 AIPMPEDPSFWDCFCFTEEILIRNGSKS

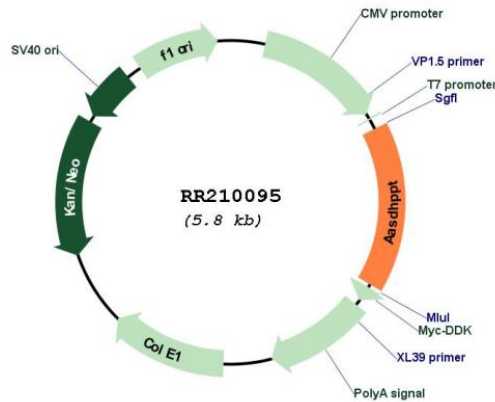
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106798

ORF Size:	927 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_001106798.2 , NP_001100268.2
RefSeq Size:	1065 bp
RefSeq ORF:	930 bp
Locus ID:	300328
UniProt ID:	B2RYJ4
Cytogenetics:	8q11
MW:	35.8 kDa
Gene Summary:	Catalyzes the post-translational modification of target proteins by phosphopantetheine. Can transfer the 4'-phosphopantetheine moiety from coenzyme A to a serine residue of a broad range of acceptors, such as the acyl carrier domain of FASN (By similarity).[UniProtKB/Swiss-Prot Function]