

Product datasheet for **RC201970A1V**

Human PEPD (NM_000285) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human PEPD (NM_000285) AAV Particle
Tag:	Myc-DDK
Symbol:	PEPD
Synonyms:	PROLIDASE
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC201970 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

 ATGGCGCGGCCACCGACCCTCGTTTTGGCTGGGAATGAAACCCTGAAGGTGCCGCTGGCGCTCTTTG
CCTTGAACCGGCAGCGCCTGTGTGAGCGGCTGCCGAAGAACCCTGCTGTGCAGGCCGGCTCCATCGTGGT
CCTGCAGGGCGGGGAGGAGACTCAGCGTACTGCACCGACACCGGGTCTCTTCCGCCAGGAGTCTTTC
TTTCACTGGGCGTTCCGTGTCTAGCAGGCTGCTATGGTGTCTCATGATGTTGACACTGGGAAGTCGA
CCCTGTTTGTGCCAGGCTTCTGCCAGCCATGCCACCTGGATGGGAAAGATCCATTCCAAGGAGCACTT
CAAGGAGAAGTATGCCGTGGACGACGTCCAGTACGTAGATGAGATTGCCAGCGTCTGACGTACAGAAG
CCCTCTGTCTCTCACTTTGCGTGGCGTCAACACGGACAGCGGAGTGTCTGCAGGGAGGCCTCTTTG
ACGGCATCAGCAAGTTCAAGTCAACAATACCATTCTTACCCAGAGATCGTTGAGTGCCGAGTGTAA
GACGGATATGGAGCTGGAGGTTCTGCGCTATACCAATAAAATCTCCAGCGAGGCCACCGTGAGTAATG
AAGGCTGTAAAGTGGGAATGAAAGAATATGAGTTGGAAGCCTCTTCGAGCACTACTGCTACTCCCGGG
GCGGATGCGCCACAGCTCCTACACCTGCATCTGCGGAGTGGTGAAGTCAAGCGTGTACACTACGG
ACACGCCGGAGCTCCCAACGACCGAACGATCCAGAATGGGGATATGTGCTGTTGACATGGGCGGTGAG
TATTACTGCTTCGCTTCGACATCACCTGCTCTTTCCCGCCACCGCAAGTTCACTGCAGACCAAGG
CCGCTATGAGGAGTGTGCGGAGTCCCGTCCGTCATGGTGCCATGAAGCCAGGTGTCTGGTGGCC
TGACATGCACCGCCTGGTGACCGCATCCACCTGGAGGAGTGGCCACATGGGCATCCTGAGCGGCAGC
GTGGACGCCATGGTCCAGGCTCACCTGGGGCCGTGTTATGCCTCACGGGCTTGCCACTTCTGGGCA
TTGACGTGCACGACGTGGGAGGCTACCCAGAGGCGTGGAGCGCATCGACGAGCCCGGCTGCGGAGCCT
GCGCACTGCACGGCACCTGCAGCCAGGCATGGTGTCTCACCGTGGAGCCGGGCATCTACTTCATCGACCAC
CTCCTGGATGAGGCCCTGGCGGACCGCGCCGCGCTCTTCTTAACCGCGAGGTCTGCAGCGCTTTC
GCGGTTTTGGCGGGTCCGCATCGAGGAGGACGTGCTGGTGACTGACAGCGGCATAGAGCTGCTGACCTG
CGTGCCCGCACTGTGAAGAGATTGAAGCATGCATGGCAGGCTGTGACAAGGCCTTTACCCCTTCTCT
GGCCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201970 protein sequence

Red=Cloning site Green=Tags(s)

 MAAATGPSFWLGNELKVPLALFALNRQRLCERLRKNPAVQAGSIVVLQGGEEQRYCTDTGVLFRQESF
FHWAFGVTEPGCYGVIDVDTGKSTLFPRLPASHATWMGKIHSKEHFKEKYAVDDVQYVDEIASVLTSQK
PSVLLTLRGVNTDSGVSREASFDGISKFEVNTILHPEIVECRVFKTDMELVLRNTKISSEAHREVM
KAVKVGMEYELESLFEHYCYSRGGMRHSSYTCICSGSENSAVLHYGHAGAPNDRTIQNGDMCLFDMGGE
YYCFASDITCSFPANGKFTADQKAVYEAVLRSSRAVMGAMKPGVWPMHRLADRIHLEELAHMGILSGS
VDAMVQAHLGAVFMPHGLGHFLGIDVHDVGGYPEGVERIDEPGLRSLRTARHLQPGMVLTVPEGIYFIDH
LLDEALADPARASFLNREVLQFRGFGGVRIEEDVVVTDSGIELLTCVPRTVEEIEACMAGCDKAFTPFSGPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000285

ORF Size:

1479 bp

Buffer:	PBS with 0.001% Pluronic F68
Stability:	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
RefSeq:	<u>NM_000285.1</u>
RefSeq Size:	2019 bp
RefSeq ORF:	1482 bp
Locus ID:	5184
UniProt ID:	<u>P12955</u>
Cytogenetics:	19q13.11
MW:	54.5 kDa