

Product datasheet for **RC207544A1V**

Human CYBB (NM_000397) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CYBB (NM_000397) AAV Particle
Tag:	Myc-DDK
Symbol:	CYBB
Synonyms:	AMCBX2; CGD; CGDX; GP91-1; GP91-PHOX; GP91PHOX; IMD34; NOX2; p91-PHOX
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC207544 representing NM_000397
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGGAAGTGGCTGTGAATGAGGGGCTCTCCATTTTGTCTGTTGGCTGGGTTGAACGTCT
 TCCTCTTTGTCTGGTATTACCGGTTTATGATATTCCACCTAAGTTCTTTACACAAGAAAACCTTGG
 GTCAGCACTGGCACTGGCCAGGGCCCTGCAGCCTGCCTGAATTTCAACTGCATGCTGATTCTCTTGCCA
 GTCTGTCGAAATCTGCTGCTCTCTCAGGGGTTCCAGTGCGTCTGCTCAACAAGAGTTCAAGACAAC
 TGGACAGGAATCTCACCTTTCAAAAATGGTGGCATGGATGATTGCACTTCACTCTGCGATTACACCAT
 TGCACATCTATTTAATGTGAATGGTGTGTGAATGCCGAGTCAATAATTCTGATCCTTATTCAGTAGCA
 CTCTCTGAAGTGGAGACAGGCAAAATGAAAGTTATCTCAATTTTGTCTGAAAGAGAATAAAGAACCCTG
 AAGGAGGCCTGTACCTGGCTGTACCCTGTTGGCAGGCATCACTGGAGTTGTATCACGCTGTGCCTCAT
 ATTAATTATCACTTCTCCACCAAAACCATCCGAGGTCTTACTTTGAAGTCTTTGGTACACACATCAT
 CTCTTTGTGATCTTCTTATTGGCCTTGCCATCCATGGAGCTGAACGAATTGTACGTGGGAGACCGCAG
 AGAGTTTGGCTGTGCATAATATAACAGTTTGTGAACAAAAATCTCAGAAATGGGAAAAATAAAGGAATG
 CCCAATCCCTCAGTTTGTCTGAAACCCTCCTATGACTTGGAAATGGATAGTGGTCCCATGTTTCTGTAT
 CTCTGTGAGAGTTTGGTGGGTTTGGCGATCTCAACAGAAGGTGGTCATCACCAGGTGGTCACTCACC
 CTTTCAAAACCATCGAGCTACAGATGAAGAAGAAGGGGTTCAAAATGGAAGTGGGACAATACATTTTGT
 CAAGTGCCCAAGGTGTCCAAGCTGGAGTGGCACCCCTTTACTGACATCCGCCCTGAGGAAGACTTC
 TTAGTATCCATATCCGCATCGTTGGGACTGGACAGAGGGGCTGTTCAATGCTTGTGGCTGTGATAAGC
 AGGAGTTTCAAGATGCGTGGAACTACCTAAGATAGCGGTTGATGGGCCCTTTGGCACTGCCAGTGAAGA
 TGTGTTACAGCTATGAGGTGGTGTGTTAGTGGGAGCAGGGATTGGGGTCACACCCTTCGCATCCATTCTC
 AAGTCAGTCTGGTACAAATATTGCAATAACGCCACCAATCTGAAGCTCAAAAAGATCTACTTCTACTGGC
 TGTGCCGGGACACACATGCCTTTGAGTGGTTTGCAGATCTGCTGCAACTGCTGGAGAGCCAGATGCAGGA
 AAGGAACAATGCCGGCTTCTCAGCTACAACATCTACCTCACTGGCTGGGATGAGTCTCAGGCCAATCAC
 TTTGCTGTGCACCATGATGAGGAGAAAGATGTGATCACAGGCCTGAAACAAAAGACTTTGTATGGACGGC
 CCAACTGGGATAATGAATTCAAGACAATTGCAAGTCAACACCCTAATACCAGAATAGGAGTTTCTCTG
 TGGACCTGAAGCCTTGGCTGAAACCCTGAGTAAACAAAGCATCTCCAACCTCTGAGTCTGGCCCTCGGGGA
 GTGCATTTCAATTTCAACAAGGAAAATTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207544 representing NM_000397
 Red=Cloning site Green=Tags(s)

MGNWAVNEGLSIFVILVWLGLNVFLVWYYRVYDIPPKFFYTRKLLGSALALARAPAAACLNFNMLILLP
 VCRNLLSFLRGSSACCSTRVRRQLDRNLTFHKMVAWMIALHSAIHTIAHLFNVEWCVNARVNSDPYSVA
 LSELGDRQNESYLNFAARKRIKNPEGGLYLAVTLLAGITGVVITLCLILITSSSTKIRRSYFEVFWYTHH
 LFVIFFIGLAIHGAERIVRGQTAEALAVHNITVCEQKISEWGKIKECPIQFAGNPPMTWKWIVGPMFLY
 LCERLVRFWRSQQKVIVTKVTHPFKTIELQMKKKGFKMEVGQYIFVKCPKVSKEWHPFTLTSAPPEEDF
 FSIHIRIVGDWTEGLFNACGCDKQEFQDAWKLPKIAVDGPFGTASEDVFSYEVVMLVGAGIGVTPFASIL
 KSVWYKYCANNATNLKKIYFYWLCRDTHAFEFADLLQLLESQMQRNAGFLSYNIYLTGWDESQANH
 FAVHHDEEKDVITGLKQKTLYGRPNWDNEFKTIASQHPNTRIGVFLCGPEALAEATLSKQISNSSESGPRG
 VHFIFNKENF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_000397
ORF Size:	1710 bp
Buffer:	PBS with 0.001% Pluronic F6087
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_000397.2</u>
RefSeq Size:	4353 bp
RefSeq ORF:	1713 bp
Locus ID:	1536
UniProt ID:	<u>P04839</u>
Cytogenetics:	Xp21.1-p11.4
MW:	65.3 kDa