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Product datasheet for RC214143A1V

Human SIX homeobox 4 (SIX4) (NM_017420) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SIX homeobox 4 (SIX4) (NM_017420) AAV Particle
Tag:	Myc-DDK
Symbol:	SIX4
Synonyms:	AREC3
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)

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ORF Nucleotide Sequence:

>RC214143 representing NM_017420
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCTCTTCCTCCCCCACCGGGCAGATCGCAAGTGCGGCGGACATCAAGCAAGAGAATGGGATGGAAA
GCGCCTCGGAAGGGCAGGAGGCGCACCGAGAAGTGGCGGGGGGCGCGGCGGTAGGGCTGAGCCCCCCGGC
TCCAGCCCCTTTTCCCCTGGAGCCGGGGGACGCCGCGACCGCTGCCGCCAGGGTGAGCGGAGAGGAAGGG
GCAGTGGCGGCGGCGGCGGCCGGAGCGGCGGCGGATCAGGTACAACTCCACTCGGAACTTCTGGGCAGGC
ACCACCACGCCGCCGCCGCCGCCGCGCAGACCCCGCTGGCCTTCTCGCCCGACCACGTCGCCTGCGTGTG
CGAGGCACTGCAGCAGGGGGGCAACCTGGACCGCCTGGCCCGGTTCCTGTGGTCCCTGCCCCAGAGCGAC
CTGCTACGTGGCAACGAGAGCCTGCTGAAGGCGCGGGCGCTCGTGGCCTTCCACCAGGGCATCTACCCCG
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CAAGGCGCGCTACACCGAGGCCGAGCGAGCCCGCGGCCGGCCGCTGGGAGCCGTAGACAAGTACCGGCTG
CGCAGGAAATTCCCCCTGCCCCGCACCATCTGGGACGGCGAGGAGACGGTGTATTGTTTCAAGGAGAAGT
CGCGCAACGCGCTCAAGGAGCTCTACAAGCAGAATCGCTACCCTTCGCCCGCCGAGAAGCGGCACCTGGC
CAAGATCACCGGCCTCTCCCTCACCCAGGTCAGCAACTGGTTCAAGAACCGCCGGCAGCGCGACAGGAAC
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TATGGAGCCAGTATATATGCAACAAATTGGAAATGCTAAGATATCATTAAGCTCTTCTGGAGTTCTGTTG
AATGGAAGCTTGGTACCTGCAAGTACTTCACCTGTCTTCCTTAATGGAAATTCTTTTATTCAGGGACCCA
GTGGAGTTATCCTTAATGGATTAAATGTGGGAAATACACAGGCAGTGGCATTGAACCCACCAAAAATGTC
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TCCCAGGCCTGATACCCAGCACTGAGGTGAAAAGAGAAGGCATTCAAACAGTGGCTTCCCAAGATGGAGG
GTCTGTAGTGACTTTTACTACACCAGTGCAAATTAACCAGTATGGCATTGTCCAGATCCCCAATTCCGGA
GCAAACAGCCAGTTCCTTAATGGGAGCATTGGATTCTCTCCACTGCAGCTGCCCCCTGTGTCAGTGGCAG
CTTCACAAGGTAATATCTCAGTAAGCTCAAGCACTTCAGATGGAAGCACATTTACAAGTGAGTCTACCAC
AGTCCAGCAAGGAAAGGTTTTCTTGAGCTCTCTTGCTCCCAGTGCAGTGGTATACACGGTTCCTAATACA
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TCAATCAGAATGCACAAGTAAATGCAAACCTGTCTTCTGAAAACATCTCGGGGAGTGGCCTGCATCCACT
GGCCTCCTCATTAGTTAATGTATCTCCAACTCACAATTTTTCTCTCAGTCCCTCTACACTACTAAATCCC
ACTGAGCTAAACCGCGACATTGCCGATAGCCAACCAATGTCTGCACCGGTGGCAAGCAAATCTACTGTGA
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CCAGCAGTACATCAGGATTTTGTCCAAGAACATCGTTTGGTTCTGCAATCGGTAGCTAACATGAAAGAGA
ATTTCTTATCAAATTCTGAGAGCAAAGCAACAAGTAGCTTAATGATGCTGGACTCTAAATCCAAGTATGT
CTTAGATGGCATGGTTGATACTGTCTGTGAAGACCTGGAAACAGACAAAAAAGAGCTTGCCAAGCTCCAG
ACTGTCCAGCTGGATGAAGATATGCAAGACTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC214143 representing NM_017420
Red=Cloning site Green=Tags(s)

MSSSSPTGQIASAADIKQENGMESASEGQEAHREVAGGAAVGLSPPAPAPFPLEPGDAATAAARVSGEEG
AVAAAAAGAAADQVQLHSELLGRHHHAAAAAAQTPLAFSPDHVACVCEALQQGGNLDRLARFLWSLPQSD
LLRGNESLLKARALVAFHQGIYPELYSILESHSFESANHPLLQQLWYKARYTEAERARGRPLGAVDKYRL
RRKFPLPRTIWDGEETVYCFKEKSRNALKELYKQNRYPSPAEKRHLAKITGLSLTQVSNWFKNRRQRDRN
PSETQSKSESDGNPSTEDESSKGHEDLSPHPLSSSSDGITNLSLSSHMEPVYMQQIGNAKISLSSSGVLL
NGSLVPASTSPVFLNGNSFIQGPSGVILNGLNVGNTQAVALNPPKMSSNIVSNGISMTDILGSTSQDVKE
FKVLQSSANSATTTSYSPSVPVSFPGLIPSTEVKREGIQTVASQDGGSVVTFTTPVQINQYGIVQIPNSG
ANSQFLNGSIGFSPLQLPPVSVAASQGNISVSSSTSDGSTFTSESTTVQQGKVFLSSLAPSAVVYTVPNT
GQTIGSVKQEGLERSLVFSQLMPVNQNAQVNANLSSENISGSGLHPLASSLVNVSPTHNFSLSPSTLLNP
TELNRDIADSQPMSAPVASKSTVTSVSNTNYATLQNCSLITGQDLLSVPMTQAALGEIVPTAEDQVGHPS
PAVHQDFVQEHRLVLQSVANMKENFLSNSESKATSSLMMLDSKSKYVLDGMVDTVCEDLETDKKELAKLQ
TVQLDEDMQDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human

Serotype: AAV-2

ACCN: NM_017420

ORF Size: 2343 bp

Buffer: PBS with 0.001% Pluronic F7158

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: NM_017420.2

RefSeq Size: 6214 bp

RefSeq ORF: 2346 bp

Locus ID: 51804

UniProt ID: Q9UIU6

Cytogenetics: 14q23.1

MW: 82.8 kDa

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