

Product datasheet for **RC224791A1V**

Human GDF10 (NM_004962) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human GDF10 (NM_004962) AAV Particle
Tag:	Myc-DDK
Symbol:	GDF10
Synonyms:	BIP; BMP-3b; BMP3B
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC224791 representing NM_004962
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCTCATGTCCCCGCTCGGACCAGCCCGGACCCCGGCCCCAGCTGCTGCTGCTGCTGCTGCCGTTGT
 TTCTGCTGTTGCTCCGGATGTGGCCGGCAGCCACAGGGCCCCGCCTGGTCCGCACTGCCCGCGCCGC
 CGACGGCTGCAGGGGACAGGGATCTCCAGCGCACCCCTGGGACGCGGCCGCCACGTTGGGCCCCAGC
 GCCCAGGACATGGTCGCTGTCCACATGCACAGGCTCTATGAGAAGTACAGCCGGCAGGGCGCGGCCGG
 GAGGGGCAACACGGTCCGACGTTTCAAGGCCAGGCTGGAAGTGGTCGACCAGAAGGCCGTGATTTCTT
 CAACCTGACTTCCATGCAAGACTCGAAATGATCCTTACGGCCACTTTCCACTTCTACTCAGAGCCGCT
 CGGTGGCTCGAGCGCTCGAGGTGCTATGCAAGCCGGGCAAGAACGCTTCAAGCCGCCCGCTGCCCC
 TGGGCCCGCCACACGCCAGCACCTGCTTCCGACGCTCTCGCAGAACACGGCCACACAGGGGCTACT
 CCGCGGGGCCATGGCCCTGGCGCCCCACCGCGCGGCTGTGGCAGGCCAAGGACATCTCCCCATCGTC
 AAGGCGCCCCCGCGGATGGCGAGCTGCTCCTCTCCGCCAGCTGGATTCTGAGGAGAGGGACCCGGGG
 TGCCCCGGCCAGCCCTATGCGCCCTACATCCTAGTCTATGCCAACGATCTGGCCATCTCGGAGCCAA
 CAGCGTGGCAGTGACGCTGCAGAGATACGACCCCTTCCCTGCCGAGACCCCGAGCCCCGCGCAGCCCC
 AACAACTCAGCGGACCCCGCTGCGCCGAGCCGCGCAGGCCACTGGGCCCTCCAGGACAACGAGCTGC
 CGGGGCTGGATGAGAGGCCGCGCGGCCACGCACAGCACTTCCACAAGCACCAGCTGTGGCCAGCCC
 CTTCCGGGCGTGAAACCCGGCCAGGGCGCAAAGACCGCAGGAAGAAGGGCCAGGAGGTGTTATGGCC
 GCCTCGCAGGTGCTGGACTTTGACGAGAAGACGATGCAGAAAGCCCGAGGAAGCAGTGGGATGAGCCGA
 GGGTGTCTCCCGAGGTACCTGAAGGTGGACTTCGACAGATCGGCTGGAATGAATGGATAATCTCACC
 GAAATCTTTTGATGCCTACTACTGCGCGGAGCATGTGAGTTCCCATGCCTAAGATCGTTCGTCCATCC
 AACCATGCCACCATCCAGAGCATTGTCAGGGCTGTGGGATCATCCCTGGCATCCAGAGCCCTGCTGTG
 TTCCCGATAAGATGAACTCCCTTGGGTCTCTTCTGGATGAGAATCGGAATGTGGTTCTGAAGGTGTA
 CCCCACATGTCCGTGGACACCTGTGCTGCCG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224791 representing NM_004962
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MAHVPARTSPGPGPQLLLLLLPLFLLLLRDVAGSHRAPAWSALPAAADGLQGDRDLQRHPGDAAATLGPS
 AQDMVAVHMHRLYEKYSRQGARPGGNTVRSFRARLEVVDQKAVYFFNL TSMQDSEMITATFHFYSEPP
 RWPRALEVLCPRAKNASGRPLPLGPTRQHLLFRSLQNTATQGLLRGAMALAPPPRGLWQAKDISPIV
 KAARRDGELLLSAQLDSEERDPGVPRPSYAPYILVYANDLAISEPNVAVTLQRYDPFPAGDPEPRAAP
 NNSADPRVRAAQATGPLQDNELPGLDERPPRAHAQHFKHQLWSPFRALKPRPGRKDRRKKGQEVFMA
 ASQVLDFDEKTMQKARRKQWDEPRVCSRRYLKVDFAIGWNEWIISPKSFDAYYCAGACEFMPMKIVRPS
 NHATIQSIVRAVGIIPIPEPCVPDKMNSLGLVFLDENRNVVLKVYPNMSVDTACR

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_004962

ORF Size:

1434 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_004962.2</u>
RefSeq Size:	2674 bp
RefSeq ORF:	1437 bp
Locus ID:	2662
UniProt ID:	<u>P55107</u>
Cytogenetics:	10q11.22
MW:	52.9 kDa