

Product datasheet for **RC215889A1V**

Human FTO (NM_001080432) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human FTO (NM_001080432) AAV Particle
Tag:	Myc-DDK
Symbol:	FTO
Synonyms:	ALKBH9; BMIQ14; GDFD
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC215889 representing NM_001080432
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCGCACCCGACTGCCGAGGAACGAGAGCGCGAAGCTAAGAACTGAGGCTTCTTGAAGAGCTTG
 AAGACACTTGGCTCCCTTATCTGACCCCAAAGATGATGAATTCTATCAGCAGTGGCAGCTGAAATATCC
 TAAACTAATTCTCCGAGAAGCCAGCAGTGTATCTGAGGAGCTCCATAAAGAGGTTCAAGAAGCCTTTCTC
 ACACTGCACAAGCATGGCTGCTTATTTCCGGACCTGGTTAGGATCCAAGGCAAAGATCTGCTCACTCCGG
 TATCTCGCATCCTCATTGGTAATCCAGGCTGCACCTACAAGTACCTGAACACCAGGCTCTTACGGTCCC
 CTGGCCAGTGAAGGGTCTAATATAAACACACCGAGGCTGAAATAGCCGCTGCTTGAGACCTTCCTC
 AAGCTCAATGACTACCTGCAGATAGAAACCATCCAGGCTTTGGAAGAACTTGCTGCCAAGAGAAGGCTA
 ATGAGGATGCTGTGCCATTGTGTATGTCTGCAGATTTCCCGAGGTTGGGATGGGTTTCCTACAACGG
 ACAAGATGAAGTGGACATTAAGAGCAGAGCAGCATACAACGTAACCTTGCTGAATTTTCATGGATCCTCAG
 AAAATGCCATACCTGAAAGAGGAACCTTATTTTGGCATGGGAAAATGGCAGTGAAGTGGCATCATGATG
 AAAATCTGGTGGACAGGTCAGCGGTGGCAGTGTACAGTTATAGCTGTGAAGGCCCTGAAGAGGAAAGTGA
 GGATGACTCTCATCTCGAAGGCAGGGATCCTGATATTTGGCATGTTGGTTTTAAGATCTCATGGGACATA
 GAGACACCTGGTTTGGCGATACCCCTTCACCAAGGAGACTGCTATTTTCATGCTTGATGATCTCAATGCCA
 CCCACCAACACTGTGTTTTGGCCGTTTCAACCTCGGTTTAGTTCCACCCACCGAGTGGCAGAGTGCTC
 AACAGGAACCTTGATTATATTTTACAACGCTGTCAGTTGGCTCTGCAGAATGTCTGTGACGATGTGGAC
 AATGATGATGTCTCTTTGAAATCCTTTGAGCCTGCAGTTTGAACAAGGAGAAGAAATTCATAATGAGG
 TCGAGTTTGAGTGGCTGAGGCAGTTTGGTTTCAAGGCAATCGATACAGAAAGTGCAGTACTGGTGGTG
 TCAACCCATGGCTCAACTGGAAGCACTGTGGAAGAAGATGGAGGGTGTGACAAATGCTGTGCTTCATGAA
 GTTAAAAGAGAGGGGCTCCCGTGGAACAAAGGAATGAAATCTTGACTGCCATCCTTGCTCGCTCACTG
 CACGCCAGAACCTGAGGAGAGAATGGCATGCCAGTGCCAGTCACGAATTGCCCGAACATTACCTGCTGA
 TCAGAAGCCAGATGTGGCCATACTGGGAAAAGGATGATGCTTCGATGCCTCTGCCGTTTGACCTCACA
 GACATCGTTTCAGAACTCAGAGGTCAGCTTCTGGAAGCAAAACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MKRTPTAEEREREAKLRLLEELEDTWLPYLTPKDDEFYQQWQLKYPKILREASSVSEELHKEVQEAF
 TLHKHGCLFRDLVRIQKDLLTPVSRILIGNPGCTYKYLNTRLFTVPWPVKGSNIKHTAEIAAACETFL
 KLNDYLQIETIQALEELAAKEKANEDAVPLCMSADFPRVGMGSSYNGQDEVDIKSRAAYNVLLNFMDPQ
 KMPYLKEEYFGMGMAVSWHHDENLVDRSAVAVYSYSCGPEEESEDDSHLEGRDPDIWHVGFKISWDI
 ETPGLAIPHQDCYFMLDDLNATHQHCVLQAGSQPRFSSTHRAECSTGTLDYILQRCQLALQNVCDVD
 NDDVSLKSFEPVVKQGEIHNVEFEWLRQFWFQGNRYRKCTDWWCQPMALWKKMEGVTVNAVLHE
 VKREGLPVEQRNEILTALASLTARQNLREWHARCQSRIARTLPADQKPECRPYWEKDDASMPDLPDLT
 DIVSELRGQLLEAKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001080432

ORF Size:

1515 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_001080432.1</u>
RefSeq Size:	4294 bp
RefSeq ORF:	1518 bp
Locus ID:	79068
UniProt ID:	<u>Q9C0B1</u>
Cytogenetics:	16q12.2
MW:	58.1 kDa