

Product datasheet for RC224116A1V

Human ZNF514 (NM_032788) AAV Particle

Product data:

Product Type: AAV Particles

Tag: Myc-DDK

Symbol: ZNF514

Mammalian Cell None

Selection:

Vector: pAAV-AC-Myc-DDK (PS100089)

ORF Nucleotide Sequence: >RC224116 ORF sequence, **codon optimized**.
Due to the complexity of NM_032788, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGACATTCGAAGACGTGGCAGTGGAGTTTTCACAGTGGGAGTGGGGCCAGCTGAACCCGGCGCAGAAAG
ATCTGTATAGAGAAGTGATGCTGGAGAATTTCCGGAACCTGGCCATCCTGGGGCTGCTCGTAAGCAAACC
GTATGTGATCTGTCACTGGAGGAGGGAGGAGGCCATTATGGTGGAGAGAGAGATTAGCACCGGAGCC
CATAGCGACTGGAAGCGCCGGAGCAAGAGCAAGGAGTCTATGCCCTCCTGGGGCATTCTAAGGAGGAAC
TTTTTCAGGTTGTTTCCGTGGAGAAACACATACAGGACGTGCTGCAATTCAGTAAGCTCAAAGCCGCTG
CGGGTGTGACGGACAGCTTGAATGCAACAGATCAAACAAGAACGACACCTGAAGCAGATGTCTACAATT
CACAAAAGCGCTACCACTCTGTCTAGAGATTACAAATGGAATGGCTTTGGCAGGAGTCTGGGACTGCGAT
CAGTGCTGGTCAATCAACACTCCATCCTCATGGGTGAAGGGAGCTATAATGCGATACAGAGTTCAGGCA
GACACTGGGTGGAACAATTTCCAGCGAACCCACCCCGAAAAAAGAGTTGTAAGTGAACGAATGCGGC
AAAAGCTTCCATTTTCAGTCTGAGCTGCGGCGGCACAGAGGTGCCACACTGGAGAAAAACCATACGAGT
GCTCAGATTGTGGCCGGCGTTTGGTCACATCTCATCTGATCAAACACCAGAGGACACACCCGGCGA
AAAGCCTTACGAATGCTCAGAATGCGGCAGGGCCTTTTCAATCCAGCTCACTGGTGCTCCATTACCGG
TTCCACACGGCGCAAAAACCGTACAAGTGAATGAGTGTGGAGGGCCTTTGGTCATACCTCTAGTCTCA
TCAAGCACCAACGCACTCACTGGCGAGAAGCCATATGAGTGCAGGGAATGCGGAAGGACTTTTTCACA
GTCTTCCAGTCTGATCGTGATTACAGATTTACACAGGCGAGAAACCATATAAGTGAATAAATGCGGA
CGAGCTTTTTCACAGTCATCCAGTTGACACAGCACTACAGATTCCATACAGGAGAAAAGCCTTACAAGT
GCAATGAGTGGGAGAGCATTGCGCCACACTGCTTCTCTTATCAAGCATCAAAGAAGCCACGCTGGGAA
GAAAACACTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:	>RC224116 representing NM_032788 Red=Cloning site Green=Tags(s) MTFEDVAVEFSQWEWQLNPAQKDLVREVMLENFRNLAILGLLVSKPYVICQLEEGGEPFMVEREISTGA HSDWKRRSKSKESMPSWGISKEELFQVVSVEKHIQDVLQFSKLKAACGCDGQLEMQQIKQERHLKQMSI HKSATTLRDYKWNFGFGRSLGLRSVLVNQHSILMGEFSYKCDTEFRQTLGGNNSQRTHPKSKCKNECG KSFHFQSELRRHQCHTGEKPYECSDCGRAFGHISSLIKHQRTHTGEKPYECSECGRAFSQSSSLVLHYR FHTGEKPYKCNECGRAFGHTSSLIKHQRTHTGEKPYECRECGRTFSQSSSLIVHYRFHTGEKPYKCNKCG RAFSQSSSLTQHRYFHTGEKPYKCNECGRAFAHTASLIKHQRSHAGKCTL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_032788
ORF Size:	1200 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_032788.1, NP_116177.1</u>
RefSeq Size:	6189 bp
RefSeq ORF:	1203 bp
Locus ID:	84874
UniProt ID:	<u>Q96K75</u>
Cytogenetics:	2q11.1
MW:	45.9 kDa