

Product datasheet for SC122948

AHNAK (NM_024060) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AHNAK (NM_024060) Human Untagged Clone
Tag:	Tag Free
Symbol:	AHNAK
Synonyms:	AHNAKRS; PM227
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_024060 edited
AGCTGCTCTGCCGCGGGACTGCACCGCCCGCCCTGCCAGACCCGCCGGAACGGGGCTC
GTCGCCGCGAGTAGCCGAGCACCAGCCTTGGGCCTCGCGCCGGCTATGGCCGTGCC
TGGGGCTGAGCCCTCAGGTTGTGACCGAGATTCCCGACGAGAGACTGAGGGGAAGAGA
GGAAGGAGGGGCGGGCTCCTGGCAAGGCATTTCGCTCCTGAGCGGAATCCTGCAAAGATGG
AGAAGGAGGAGACAACCCGGGAGCTGCTGCTGCCAACTGGCAGGGTAGTGGCTCCACG
GGCTGACCATCGCCAGAGGGACGACGGCGTCTTTGTGCAGGAGGTGACGCAGAACTCCC
CTGCGGCCCGCACTGGGGTGGTCAAGGAGGGGGACCAGATTGTGGGTGCCACCATCTACT
TTGACAACCTGCAGTCGGGTGAGGTGACCCAGCTGCTGAACACCATGGGGCACCACAGG
TGGCCTGAAGCTGCACCGCAAGGGGGACCGCTCTCCCGAGCCTGGCCAGACCTGGACCC
GTGAAGTCTTCAGCTCCTGCAGCTCTGAAGTGTCTGAACACACCACAGCCATCAGCAC
TGGAAATGCAAAGACCAGAACAAACAGAAGGAAGCCAGCAGCCAAGCCGGGGCAGTTTCAG
TCTCCACCCCAAATGCAGGACTGTAGAAGCGGCCAGGAAGAAAACCCCCCTCTTAAGG
TTGTTTTTGTGACCGTTCTTTGGAGCATTGTTCTAAAAATGGGAAATTACATATTGCTGT
GCCAAGGGCAACAACACCTGCAGTTAAAGGAATACCTTCCGCGAGGGCGGCTTTTCGGAG
CATGCATGTTTATAGCTCCAGCCAGGCCAGACCGAGGGCTGCTGCATAAGCCCTGCTTGG
TGCATTTCTTCACTTGAAGGGGACAGAGTGTGGGCTTAGGTTTGGGACTAGAGGGGGCT
TTGGCAACTATGGTGCTCAGGTGATTATCCTTCGCTCGTTTATCCAATAAACATTTATCA
AGCAAAAAAAAAAAAAAAAAA



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024060 unedited AAAGTTACATTTGTATACGACTCACTATAGGCGGCCGCGAATCCCGGGATATCGTCGACC CACGCGTCCGAGCTGCTCTGCCGCGGGGACTGCACCGCCCGCCCTGCCAGACCCGCCGG AACGGGGCTCGTCGCCGCCAGTAGCCGCAGCACCGCAGCCTTGGGCTCGCGCCGGCTAT GGCCGTGCCCTGGGGCTGAGCCCTCAGGTTGTGACCGAGATTCCCGACGAGAGAGACTGA GGGAAGAGAGGAAGGAGGGGCGGGCTCCTGGCAAGGCATTGCTCCTGAGCGGAATCCT GCAAAGATGGAGAAGGAGAGACAACCCGGGAGCTGCTGCTGCCAACTGGCAGGGTAGT GGCTCCCACGGGCTGACCATCGCCCAGAGGGACGACGGCGTCTTTGTGCAGGAGGTGACG CAGAACTCCCCTGCGGCCCGCACTGGGGTGGTCAAGGAGGGGACCAGATTGTGGGTGCC ACCATCTACTTTGACAACCTGCAGTCGGGTGAGGTGACCCAGCTGCTGAACACCATGGGG CACCACACGGTGGGCTGAAGCTGCACCGCAAGGGGGACCGCTCTCCCGAGCCTGGCCAG ACCTGGACCCGTGAAGTCTTCAGCTCCTGCAGCTCTGAAGTGTCTGAACACACCACAG CCATCAGCACTGGAATGCAAAGACCAGAACATACAGAANGAAGCCAGCAGCAAGCCGGG GCAAGTTCAGTCTCCACCCAATGCAGGACTGTAAAAGCGGCCAGGAAGAAACCACCCCT CTTAAGTTGTTTTGTGACCGGTCTTTGGACCATTGTCTAAAATGGGAAATACATATTGC TGTGCCAAGCAACAACCTGCGGTAAAGGATACCTTCGGCGAGGGGCTTTT
Restriction Sites:	Please inquire
ACCN:	NM_024060
Insert Size:	1039 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_024060.2 , NP_076965.2
RefSeq Size:	1108 bp
RefSeq ORF:	450 bp
Locus ID:	79026
UniProt ID:	Q09666
Cytogenetics:	11q12.3
Protein Families:	Protease

Gene Summary:

The protein encoded by this gene is a large (700 kDa) structural scaffold protein consisting of a central domain with 128 aa repeats. The encoded protein may play a role in such diverse processes as blood-brain barrier formation, cell structure and migration, cardiac calcium channel regulation, and tumor metastasis. A much shorter variant encoding a 17 kDa isoform exists for this gene, and the shorter isoform initiates a feedback loop that regulates alternative splicing of this gene. [provided by RefSeq, Oct 2016]

Transcript Variant: This variant (2, also known as S-AHNAK) uses alternate 3' exons, compared to variant 1, resulting in a shorter isoform (2) with a unique C-terminus compared to isoform 1.