

Product datasheet for RC220683

Ataxin 2 like (ATXN2L) (NM_007245) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ataxin 2 like (ATXN2L) (NM_007245) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ATXN2L
Synonyms:	A2D; A2LG; A2LP; A2RP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC220683 representing NM_007245 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTGAAGCCTCAGCCGCTACAACAGCCCTCCAGCCCCAGCAGCCGCCCCACGCAACAGGCCGTGG
CCCGTCGGCCCCCGGGGCACCAGCCCTCCCAACGGCGGCTCCCGGGCCGCTGGCCACCTCTCGCGC
TCCTCCCGGGCCTCAGCGGCCGCTCCCTGCCTGGGGCTGTGGCCGCTGCCGGGAGCGGGCTCCGC
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CTACAACAATCCAGAATGCTGCATTTCTTACAGCTGTTGTGGGCTCCACTTGTGATGTAAGGTGAAA
AATGGTACCATTATGAGGGTATCTTCAAGACGCTAAGCTCAAAGTTTGAAGTAGCCGTGGATGCTGTGC
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CAAGTTCAATGAGGAGAATACGGTGTGAAGACTACCTATGATAGCAGTCTTTCTTCTTATACGGTGCC
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CTGGGAGAACTCTGGAGCCCCAGGAGCTGGCTCGGATAGCTGGGAAAGTCCCTGGTCTTCAGAATGAACA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC220683 representing NM_007245
 Red=Cloning site Green=Tags(s)

MLKPQPLQQPSQPQPPPTQAVARRPPGGTSPNGLPGPLATSAAAPPPPAAAAPCLGPVAAAGSGLR
 RGAEGILAPQPPPPQHQERPGAAAIGSARGQSTGKPPQSPVFEVYNNRMLHFLTAVVGSTCDVKVK
 NGTTYEGIFKTLSSKFELAVDAVHRKASEPAGGPRREDIVDTMVFKPSDVMLVHFRNVDFNYATKDKFTD
 SAIAMNSKVNHEHKEKVLQRWEGGDSNSDDYDLESDMSNGWDPNEMFKFNEENYGVKTTYDSSLSSYTVP
 LEKDNSEEFQRQLRAAQLAREIESSPQYRLRIAMENDDGRTEEEKHSAVQRQSGRESPLASREGKYI
 PLPQVRVREGPRGGVRCSSSRGGRPGLSSLPPRGPHHLDNSSPGPGSEARGINGGSPRMSPKAQRPLRGAK
 TLLSSPSNRPSGETSVPPPPAVGRMYPPRSPKSAAPAPISASCPEPPIGSAVPTSSASIPVTSVSDPGVG
 SI SPASPKISLAPTDVKELSTKEPGRTLQPQLARIAGKVPGLQNEQKRFQLEELRKFQAQFKLQPSSSP
 ENSLDPFPRIILKEEPKKEKEVDGLL TSEPMGSPVSSKTESVSDKEDKPLAPSGGTEGPEQPPPPCPS
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 GQSGLYSPQYISYIPQIHMGPVAVQAPQMYPPVSVNSVPGQGGKYRGAKGSLPPQRSQDQHPASAPMMQA
 AAAAGPPLVAATPYSSYIPYNPQQFPGQPAMMQMAHYPSQPVFAPMLQSNRMLTSGSHPQAIIVSSSTP
 QYPSAEQPTPQALYATVHQSYPHHATQLHAHQQPATTPGTSQPSQHAAPSPVQHAGQAPHLGSGQPQ
 QNLYHPGALTGTPPSLPPGPSAQSPQSSFPQPAAVYAIHHQQLPHGFTNMAHVTQAHVQTGITAAPPPHP
 GAPHPPQVMLLHPPQSHGGPPQGAVPQSGVPALSASTPSPYPYI GHPQGEQPGQAPGFPFGADDRIREFS
 LAGGIWHGRAEGLQVGQDARVLGGE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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:	<u>NM_007245.3, NP_009176.2</u>
RefSeq Size:	4425 bp
RefSeq ORF:	3228 bp
Locus ID:	11273
UniProt ID:	<u>Q8WWM7</u>
Cytogenetics:	16p11.2
MW:	113.4 kDa
Gene Summary:	This gene encodes an ataxin type 2 related protein of unknown function. This protein is a member of the spinocerebellar ataxia (SCAs) family, which is associated with a complex group of neurodegenerative disorders. Several alternatively spliced transcripts encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]