

Product datasheet for MC224145

Atxn2 (NM_009125) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atxn2 (NM_009125) Mouse Untagged Clone
Tag: Tag Free
Symbol: Atxn2
Synonyms: 9630045M23Rik; ATX2; AW544490; Sca2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC224145 representing NM_009125
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGTTCGTCACCGCCCGCTCAGCGGCCCGCGGGGGACCCGAGCCGCGCCCGCGGGGCT
 GGGCCGCGCGGCTCGCTCCCGCGACGGCGCGCGGGCGGGCGGGCGCGGTGCGTATCCCTC
 CGCCGGCCCTCCCCGCGCGGCCCGCGCCCTCCCCGCGGGCCGCGCTCGCCACCCTGCGCTCAGAC
 TGTTTTGGTAGCAACGGCCACGGCGCTCCCGCCCGGCTCCCGCGGCTGCTCGGTGCTCGGGCCCTC
 CCCGCCCTTCGTCGTTGCTGCTGCCCTCGGCCCGCGGCCACGCCGCCCGCGCTGCCCGCCGG
 CGTCCGCGCGTCCCGCCGCGCTCCGGCGTCTCCTCCTCGGCGCGCCCGGCACCCGGCTGTCCCGCCCG
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 GGCTTCGTTGGTCCCGCCCGCGCGCGGCGGCGGCTTCTCGGCGCGCGGGCGGGCGGGCGTCCC
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 ACTTCGTTGTGGTACAGTTTAAAGATACAGACTCCAGTTATGCACGGAGAGATGCTTTTACTGACTCTGC
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 GCTCAGTACAAAGCTCGTGCGCCCTTGAAGATGATGACCGGAGTGAGGAAGAAAAATACACAGCAGTCC
 AGAGAACTGCAGTGACCGGGAGGGCATGGCCCCAACACTAGGGACAATAAATATATTCCTCCTGGACA
 AAGAAACAGAGAAGTCTATCCTGGGAAGTGGGAGACAGAGCTACCACGGATGGCCAGCCTGGGCCA



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GGCTCCATGCCGTCAAGAGCTGCTTCTCACACTTCAGATTTCAACCCGAACGCTGGCTCAGACCAAAGAG
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GTCAGGTCCCAACTCTTCCACCTCGGGCAGCCACCCCTACACGGCCGCCCTCCAGGCCCCCTCGAGG
CCCTCCAGACCCCGTCTCACCCCTCTGCTCATGGTTCTCCAGCTCCTGTCTCTACTATGCCTAAACGCA
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CCTCAAGCACAACCCAGCCCATCTATGGTGGGTCAATCAGCAGCCAGTCCAGTGTACACTCAGCCTGTGT
GCTTCGCACCCAATATGATGTATCCCGTCCCAGTGAAGCCGGGCTACAACCTTTATACCAATACCTAT
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CAAGACCAACATCATCAAAGCACCATGATGCACCCAGCCTCCGCGGAGGGCCACCCATCGTAGCCACCC
CGCCCGTTACTCCACTCAGTACGTTGCCTACAGCCCTCAGCAGTTTCCCAATCAGCCTTTGGTCCAGCA
TGTGCCGCATTATCAGTCTCAGCATCCTCATGTGTACAGTCTGTATACAAGGTAATGCCAGGATGATG
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CGCAGCCATGTATGCATGTCCCAAATTACCATAACAAGGAGACAAGCCCTTCTTTCTACTTTGCCAT
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TTCAGCACCATCAGCACCAGGCTGCCAGGCTTTCATCTGGCCAGTCCACAGCAGCAGTCCGCCATTTA
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TTCCAGCAGCACAACAGACAGTCTTACCATCCACCCTTCTCATGTTCCAGCCGGCATACACCACCCAC
CCACATGGCCACGTACCTCAGGCTCATGTACAGTCAAGGATGGTTCCTTCTCATCCAATGCCATGC
GCCAATGATGCTAATGACGACACAGCCACCCGGGCTCCCAAGGCGCCCTCGCTCAAAGTGCACACTACAG
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AGCAGTTGTAA
    
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_009125
- Insert Size:** 3861 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:

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_009125.2](#), [NP_033151.2](#)

RefSeq Size: 4505 bp

RefSeq ORF: 3861 bp

Locus ID: 20239

UniProt ID: [O70305](#)

Cytogenetics: 5 F

Gene Summary: Involved in EGFR trafficking, acting as negative regulator of endocytic EGFR internalization at the plasma membrane.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (1).