

Product datasheet for **SC119273**

DAXX (NM_001350) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAXX (NM_001350) Human Untagged Clone
Tag:	Tag Free
Symbol:	DAXX
Synonyms:	BING2; DAP6; EAP1; SMIM40
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC119273 sequence for NM_001350 edited (data generated by NextGen Sequencing)

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ATGGCCACCGCTAACAGCATCATCGTGCTGGATGATGATGACGAAGATGAAGCAGCTGCT
CAGCCAGGGCCCTCCCACCCACTCCCCAATGCGGCCTCACCTGGGGCAGAAGCCCCTAGC
TCCTCTGAGCCTCATGGGGCCAGAGGAAGCAGTAGTTCGGGGCGCAAGAAATGCTACAAG
CTGGAGAATGAGAAGCTGTTTCAAGAGTTCCTTGAACCTTTGTAAGATGCAGACAGCAGAC
CACCCCTGAGGTGGTCCCATTCCCTCTATAACCGGCAGCAACGTGCCCACTCTCTGTTTTTG
GCCTCGGGCAGTCTGCAACATCCTCTCTAGGGTCTGTCTCGGGCCCGAGCCGGCCA
GCCAAGCTCTATGTCTACATCAATGAGCTCTGCACTGTTCTCAAGGCCCACTCAGCCAAA
AAGAAGCTGAACTTGGCCCTGCCGCCACCACCTCCAATGAGCCCTCTGGGAATAACCTT
CCCACACACCTCTCCTTGGACCCCAAAATGCTGAAAACACTGCCTCTCAGTCTCCAAGG
ACCCGTGGTTCGGGGCGGAGATCCAGCGTTTGGAGCAGCTGCTGGCGCTCTATGTGGCA
GAGATCCGGCGGCTGCAGGAAAAGGAGTTGGATCTCTCAGAATTGGATGACCCAGACTCC
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GAGCTGAAAGACTGCTCTTCACTGACCGCCGTGTCATAGAGCAGCGCATCCCCTACCGT
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TCTGAAGAGGAGGAGGATCTGGAACAGATGCAGGAGGGTCAGGAGGATGATGAAGAGGAG
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CAGCAAAACAAAGGACGCATAGTGTACCATCGTTACTGTGAGAAGAACCCTGGCCCCC
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TCTGTGGAGACGGACATTTCCCTCTCCAGGAAGCAATCAGAGGAGCCCTTACCAGTGTCT
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TCAGGGCCATTAGGAAACAGCTATGTGGAAAGGCAAAGGTCAGTGCATGAGAAGAATGGG
AAAAAGATATGTACCCTGCCAGCCACCTTCCCCTTGGCTTCTTGGCCCCAGTTGCT
GATTCCTCCACGAGGGTGGACTCTCCAGCCATGGCCTGGTGACCAGCTCCCTCTGCATC
CCTTCTCCAGCCCGGCTGTCCCAAACCCCCATTACAGCCTCCTCGGCTGGTACTTGC
AAGACAAGTGTGGCCACACAATGCGATCCAGAAGAGATCATCGTGCTCTCAGACTCTGAT
TAG
    
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Clone variation with respect to NM_001350.4

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001350 unedited GGTTTANAATAGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGGTGGGAGTG GGAAGGAAGGCGGAGGGAACCATGCGAGGTTCTGAGAATTGCGGCGAGGGTGCCTCGAG AGACGGTTTCTGAGCAGGAATTCGAAATCCCCACCACTTCTCCCTCCGGGGGATTGA TCCCCTATGGCCACCGCTAACAGCATCATCGTCTGGATGATGATGACGAAGATGAAGCA GCTGTCTAGCCAGGGCCCTCCCACCACTCCCCAATGCGGCCTCACCTGGGGCAGAAGCC CCTAGCTCCTCTGAGCCTCATGGGGCCAGAGGAAGCAGTAGTTCCGGCGGCAAGAAATGC TACAAGCTGGAGAATGAGAAGCTGTTTCAAGAGTTCTTGAACCTTGTAAGATGCAGACA GCAGACCACCCTGAGGTGGTCCCATTCCTCTATAACCGGCAGCAACGTGCCCACTCTCTG TTTTTGGCCTCGGCGGAGTTCTGCAACATCCTCTCTAGGGTCTGTCTCGGGCCCGGAGC CGGCCAGCAAGCTCTATGTCTACATCAATGAGCTCTGCACTGTTCTCAAGGCCCACTCA GCCAAAAAGAAGCTGAACCTGGCCCTGCCGCCACCACTCCAATGAGCCCTCTGGGAAT AACCTCCACACACCTCTCCTGGACCCACAAATGCTGAAAACACTGCCTCTCAGTCT CCAAGGACCCGTGGTTCCCGCGGCAGATTGAGCGTTTGGAGCAGCTGCTGGCGCTCTAT GGGGCAGAGATCCGGCGGCTGCAGGACAAGGAGTTGGATCTCTCAAANTTGGATGACCCA GACTCCGCATACCTGCAGGAGGCACGGCTGAAGCGTAAGCTGATCCGGCTCTTGGGCGAC TATGNGAGCTG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001350 unedited CCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTAAAGAAACACCACAAAGGGGATT AGCTTAGTCCATCCCTTCCCTCAGTCATCTGCTTCCCACCTTCTCCAAATGTTATCCCAT AACATTCTGGAGGCAGGAGAAGGGGAGGCAGCTAATCAGAGTCTGAGAGCACGATGATC TCTTCTGGATCGATTGTGTGGCCACACTGTCTTGCAAGTACCAGGCCGAGGAGGCTGT GAATGGGGGGTTTGGGACAGCCGGCTGGAGAAGGGATGCAGAGGGAGCTGGTCACCAGG CCATGGCTGGGAGAGTCCACCCTCGTGGAGGAATCAGCAACTGGGGCCAAGGAAGCCAAG GGGGAAGGTGGGCTGGGCAGGGTACATATCTTTTTCCATTCTTCTCATGCACTGACCTT TGCCTTTCACATAGCTGTTTCTAATGGCCCTGATCCTGTTTGTCTTCTCCTCCGAG ATTTTTTGAGGGGGGACCAGAATCTCCCAGTTGTGAGGAGAGACGCCTCCCTGAAGG AAGTAGAAGAGACCATGCCTGCTCCATTCTAAGACAGCGGTGAAGGGCTCCTGTATT GCTTCTGGAAAGGAATTGTCCGCCTCCACAGAGAAGGGGTATCCAAGGGCAAAGCTTCA ATCTCTAGCTCAAAGAGCCGAGACACAGGCCTTCTCTTCTACCAGGAANCCTCCTCAAG CCGGTCTCCCATTGCTTTCACCTTCTATGCTGGAGGGGCCACGGTTTCTCTGACAATAA CCAGGGGGACCTATGCGCCCTTTGTCTTGTCTGTTCCCCGAAAACCGCTGTCTGTCTGC CCCCTTACGCTTTTTTTGGAAATTCGCCTCAGACTGGGGCTTCCCCCTTTTTTCCA CCGCCGTCTTCTTCTGCTCTCTTCTATCTTCTATCTCTACTTTGTTCCCAATCC CACTTTAAACAGGGCCTCCCTTTTTCTCCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_001350
Insert Size:	2620 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_001350.3](#), [NP_001341.1](#)

RefSeq Size: 2477 bp

RefSeq ORF: 2223 bp

Locus ID: 1616

UniProt ID: [Q9UER7](#)

Cytogenetics: 6p21.32

Domains: Daxx

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Protein Pathways: Amyotrophic lateral sclerosis (ALS), MAPK signaling pathway

Gene Summary: This gene encodes a multifunctional protein that resides in multiple locations in the nucleus and in the cytoplasm. It interacts with a wide variety of proteins, such as apoptosis antigen Fas, centromere protein C, and transcription factor erythroblastosis virus E26 oncogene homolog 1. In the nucleus, the encoded protein functions as a potent transcription repressor that binds to sumoylated transcription factors. Its repression can be relieved by the sequestration of this protein into promyelocytic leukemia nuclear bodies or nucleoli. This protein also associates with centromeres in G2 phase. In the cytoplasm, the encoded protein may function to regulate apoptosis. The subcellular localization and function of this protein are modulated by post-translational modifications, including sumoylation, phosphorylation and polyubiquitination. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2008]

Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform (a).