

Product datasheet for **SC326221**

DAXX (NM_001141970) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAXX (NM_001141970) Human Untagged Clone
Tag:	Tag Free
Symbol:	DAXX
Synonyms:	BING2; DAP6; EAP1; SMIM40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

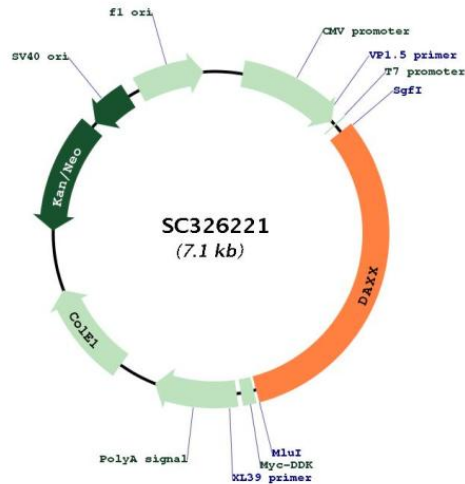


[View online »](#)

Fully Sequenced ORF: >SC326221 representing NM_001141970.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCGAGGTTCTGAGAATTGCGGCGAGGGTCGCCTCGAGAGACGGTTTCTGAGCATCATCGTGCTGGAT
GATGATGACGAAGATGAAGCAGCTGCTCAGCCAGGGCCCTCCCACCCACTCCCCAATGCGGCCTCACCT
GGGGCAGAAGCCCTAGCTCCTCTGAGCCTCATGGGGCCAGAGGAAGCAGTAGTTCGGGCGCAAGAAA
TGCTACAAGCTGGAGAATGAGAAGCTGTTCTGAAGATTCTTGAACCTTTGTAAGATGCAGACAGCAGAC
CACCTGAGGTGGTCCCATTCTCTATAACCGGCAGCAACGTGCCACTCTCTGTTTTTGGCCTCGGCG
GAGTTCTGCAACATCCTCTCTAGGGTCTGTCTCGGGCCCGAGCCGGCCAGCCAAGCTCTATGTCTAC
ATCAATGAGCTCTGCACTGTTCTCAAGGCCACTCAGCCAAAAAGAAGCTGAACTGGCCCTGCCGCC
ACCACCTCCAATGAGCCCTCTGGAATAACCCTCCCACACACCTCTCTTGACCCCAAAATGCTGAA
AACACTGCCTCTCAGTCTCCAAGGACCCGTGGTCCCAGGCGCAGATCCAGCGTTTGAGAGCAGCTGCTG
GCGCTCTATGTGGCAGAGATCCGGCGGCTGCAGGAAAAGGAGTTGGATCTCTCAGAATTGGATGACCCA
GACTCCGCATACCTGCAGGAGGCACGGTTGAAGCGTAAGCTGATCCGCCTCTTTGGGCGACTATGTGAG
CTGAAAGACTGCTCTTCACTGACCGGCCGTGTCATAGAGCAGCGCATCCCTACCGTGGCACCCGCTAC
CCAGAGGTTAACAGGCGCATTGAGCGGCTCATCAACAAGCCAGGGCCTGATACCTTCCCTGACTATGGG
GATGTGCTTCGGGCTGTAGAGAAGGCAGCTGCCGACACAGCCTTGGCCTCCCCCGACAGCAGCTCCAG
CTCATGGCTCAGGATGCCTTCCGAGATGTGGGCATCAGGTTACAGGAGCGACGTACCTCGATCTCATC
TACAACTTTGGCTGCCACCTCACAGATGACTATAGGCCAGGCGTTGACCTGCACTATCAGATCCTGTG
TGGCCCGGCGCCTTCGGGAAAACCGGAGTTTGGCCATGAGTCGGCTGGATGAGGTCATCTCCAAAT
GCAATGTTGCAAGACAAAAGTGAAGAGGGCGAGAGAAAAAGAGAAGAGCTCGGCTCCAAGGCACCTCT
TCCCACTCTGCAGACACCCCGAAGCCTCTTGGATTCTGGTGAGGGCCCTAGTGAATGGCATCCAG
GGTGCCCTTCTGCCTCCAGAGCTGAGACAGATGACGAAGACGATGAGGAGAGTATGAGGAAGAGGAG
GAGGAGGAGAAGAAGAAGAGGAGGAGGCCACAGATTCTGAAGAGGAGGAGGATCTGGAACAGATGCAG
GAGGGTCAGGAGGATGATGAAGAGGAGGACGAAGAGGAAGAAGCAGCAGGTAAGATGGAGACAAG
AGCCCCATGTCTCACTACAGATCTCCAATGAAAAGAACCTGGAACCTGGCAAACAGATCAGCAGATCT
TCAGGGGAGCAGCAAAACAAAGGACGCATAGTGTACCATCGTTACTGTCAGAAGAACCCTGGCCCCC
TCCAGCATAGATGCTGAAAGCAATGGAGAACAGCCTGAGGAGCTGACCCTGGAGGAAGAAAGCCCTGTG
TCTCAGCTCTTTGAGCTAGAGATTGAAGCTTTGCCCTGGATACCCCTTCTCTGTGGAGACGGACATT
TCCTCTTCCAGGAAGCAATCAGAGGAGCCCTTACCACCTGCTTAGAGAATGGAGCAGGCATGGTCTCT
TCTACTTCTTCAATGGAGGCGTCTCTCCTCACAACTGGGGAGATTCTGGTCCCCCTGCAAAAAATCT
CGGAAGGAGAAGAAGCAACAGGATCAGGGCCATTAGGAAACAGCTATGTGGAAGGCAAAAGGTCAGTG
CATGAGAAGAATGGGAAAAAGATATGTACCCTGCCAGCCACCTTCCCCCTTGGCTTCTTGGCCCCA
GTTGCTGATTCTCCACGAGGGTGGACTCTCCAGCCATGGCCTGGTACCAGCTCCCTCTGCATCCCT
TCTCCAGCCCGGCTGTCCAAACCCCCATTACAGCCTCCTCGGCTGGTACTTGAAGACAAGTGTG
GCCACACAATGCGATCCAGAAGAGATCATCGTCTCTCAGACTCTGATTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001141970

Insert Size: 2259 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001141970.1](#)

RefSeq Size: 2563 bp

RefSeq ORF: 2259 bp

Locus ID: 1616

Cytogenetics: 6p21.32

Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
Protein Pathways:	Amyotrophic lateral sclerosis (ALS), MAPK signaling pathway
MW:	82.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks an in-frame segment in a 5' coding exon and uses an upstream start codon, compared to variant 1. The resulting protein (isoform b) has a distinct and longer N-terminus, compared to isoform a.</p>