

Product datasheet for **SC325313**

DAXX (NM_001141969) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAXX (NM_001141969) 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 sequence for NM_001141969 edited
 GGAAGGAAGGCGGAGGGAACCATGCGAGGTTCTGAGAATTGCGGCGAGGGTCGCCTCGAG
 AGACGGTTTCTGAGCAGGAATTCTGAAATCCCCACCACTTCTCCCTCCGGGGATTGA
 TCCCTATGGCCACCGCTAACAGCATCATCGTGTGGATGATGATGACGAAGATGAAGCA
 GCTGCTCAGCCAGGGCCCTCCACCACTCCCCAATGCGGCTCACCTGGGGCAGAAGCC
 CCTAGCTCCTCTGAGCCTCATGGGGCCAGAGGAAGCAGTAGTTCGGGCGGCAAGAATGC
 TACAAGCTGGAGAATGAGAAGCTGTTGGAAGAGTTCCTTGAACCTTGTAAAGATGCAGACA
 GCAGACCACCTGAGGTGGTCCCATTCCTCTATAACCGGCAGCAACGTGCCCACTCTCTG
 TTTTTGGCCTCGGCGGAGTTCTGCAACATCCTCTCTAGGGTCTGTCTCGGGCCCGGAGC
 CGGCCAGCCAAGCTCTATGTCTACATCAATGAGCTCTGCACTGTTCTCAAGGCCCACTCA
 GCCAAAAAGAAGCTGAACCTGGCCCTGCCGCCACCACTCCAATGAGCCCTCTGGGAAT
 AACCTCCACACACCTCTCCTTGACCCACAAAATGCTGAAAACACTGCCTCTCAGTCT
 CCAAGGACCCGTGGTTCCCGGCGGCAGATCCAGCGTTTGGAGCAGCTGCTGGCGCTAT
 GTGGCAGAGATCCGGCGGCTGCAGGAAAAGGAGTTGGATCTCTCAGAATTGGATGACCCA
 GACTCCGCATACCTGCAGGAGGCACGGTTGAAGCGTAAGCTGATCCGCCTTTTGGGCGA
 CTATGTGAGCTGAAAGACTGCTCTTCACTGACCGCCGTGTCATAGAGCAGCGCATCCCC
 TACCGTGGCACCCGCTACCCAGAGGTTAACAGGCGCATTGAGCGGCTCATCAACAAGCCA
 GGGCTGATACCTTCCCTGACTATGGGGATGTGCTTCGGGCTGTAGAGAAGGCAGCTGCC
 CGACACAGCCTTGGCCTCCCCGACAGCAGCTCCAGCTCATGGCTCAGGATGCCTTCCGA
 GATGTGGGCATCAGGTTACAGGAGCGACGTACCTCGATCTCATCAACTTTGGCTGC
 CACCTCACAGATGACTATAGGCCAGGCGTTGACCTGCACTATCAGATCCTGTGTGGCC
 CGGCGCCTTCGGGAAAACCGGAGTTTGGCCATGAGTCGGCTGGATGAGGTATCTCCAAA
 TATGCAATGTTGCAAGACAAAAGTGAAGGAGGCGAGAGAAAAAAGAGAAGAGCTCGGCT
 CAAGGCACCTTCCCACTCTGCAGACACCCCGAAGCCTCCTTGGATTCTGGTGAGGGC
 CCTAGTGAATGGCATCCAGGGGTGCCCTTCTGCCTCCAGAGCTGAGACAGATGACGAA
 GACGATGAGGAGAGTGATGAGGAAGAGGAGGAGGAGGAGGAAGAAGAAGAGGAGGAGGCC
 ACAGATTCTGAAGAGGAGGAGGATCTGGAACAGATGCAGGAGGGTCAGGAGGATGATGAA
 GAGGAGGACGAAGAGGAAGAAGCAGCAGCAGGTAAGATGGAGACAAGAGCCCCATGTCC
 TCACTACAGATCTCCAATGAAAAGAACCTGGAACCTGGCAAACAGATCAGCAGATCTTCA
 GGGGAGCAGCAAAAACAAAGGACGCATAGTGTACCATCGTTACTGTCAGAAGAACCCTG
 GCCCCTCCAGCATAGATGCTGAAAGCAATGGAGAACAGCCTGAGGAGCTGACCTGGAG
 GAAGAAAGCCCTGTGTCTCAGCTTTTGTAGCTAGAGATTGAAGCTTTGCCCTGGATACC
 CCTTCTCTGTGGAGACGGACATTTCTTCTCCAGGAAGCAATCAGAGGAGCCCTTACC
 ACTGTCTTAGAGAATGGAGCAGGCATGGTCTTCTACTTCTTCAATGGAGGCGTCTCT
 CCTCAACTGGGGAGATTCTGGTCCCCCTGCAAAAAATCTCGGAAGGAGAAGAAGCAA
 ACAGGATCAGGGCCATTAGGAAACAGCTATGTGAAAGGCAAAGGTCAAGTGCATGAGAAG
 AATGGGAAAAAGATATGTACCCTGCCAGCCACCTTCCCCCTTGGCTTCTTGGCCCCA
 GTTGTGATTCTCCACGAGGGTGGACTCTCCAGCCATGGCCTGGTGACCAGCTCCCTC
 TGATCCCTTCTCCAGCCCGGCTGTCCAAACCCCAATTCACAGCCTCCTCGGCCTGGT
 ACTTGCAAGACAAGTGTGGCCACACAATGCGATCCAGAAGAGATATCGTGCTCTCAGAC
 TCTGATTAGCTGCCTCCCTTCTCCCTGCCTCCAGAATGTTCTGGGATAACATTTGGAGG
 AAGGTGGGAAGCAGATGACTGAGGAAGGGATGGAATAAGCTAATCCCCTTTTGGTGGTGT
 TTCTTTAAAAAAGAAAAAAGCTTAAGTTTTACTCAGAAACATTAATAAAACAATAAAG
 TTCTTTTCTTCTGTAAAAAAGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: NotI-NotI
ACCN: NM_001141969
Insert Size: 2600 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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001141969.1.
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_001141969.1, NP_001135441.1</u>
RefSeq Size:	2632 bp
RefSeq ORF:	2223 bp
Locus ID:	1616
UniProt ID:	<u>Q9UER7</u>
Cytogenetics:	6p21.32
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
Protein Pathways:	Amyotrophic lateral sclerosis (ALS), MAPK signaling pathway
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 (1) represents the longest transcript but encodes the shorter isoform (a). Variants 1 and 2 encode the same isoform (a).</p>