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Product datasheet for SC324096

AXUD1 (CSRNP1) (NM_033027) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AXUD1 (CSRNP1) (NM_033027) Human Untagged Clone
Tag:	Tag Free
Symbol:	AXUD1
Synonyms:	AXUD1; CSRNP-1; FAM130B; TAIP-3; URAX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_033027.2
CCACGCGTCCGGCGGCTGGACCGACGGCTGCCGGGCCGAGCGCACAGAGTCGCGGCGCAG
GGGGCGTCCCCGGCCGGGACGCGGGTCGCGTCGTTGTCCTCCGCGAGCGTCCGGATTGCA
GGCTGTCTGTCCCCAGACCCCAGAGCACGTCCGGCACCACCATGACTGGGCTGTTGAAGA
GGAAATTTGACCAGCTGGATGAGGACAACTCCTCGGTCTCCTCCTCCTCCTCTTCCTCTG
GGTGCCAGTCTCGCTCCTGCTCCCCAAGCTCTTCTGTCTCCCGTGCCTGGGACTCAGAGG
AGGAAGGCCCCTGGGATCAGATGCCCCTGCCTGACCGTGACTTCTGCGGCCCCAGAAGTT
TCACCCCCCTGTCTATCCTGAAGCGAGCTCGCCGGGAGCGCCCAGGCCGTGTAGCCTTTG
ATGGGATCACCGTCTTCTACTTCCCCCGCTGCCAGGGCTTCACCAGTGTGCCCAGCCGTG
GTGGCTGTACTCTGGGTATGGCCCTTCGCCACAGTGCTTGCCGTCGCTTCTCTTTGGCTG
AGTTTGCGCAGGAGCAAGCCCGTGCACGGCACGAGAAGCTCCGCCAGCGCTTGAAAGAGG
AGAAGTTGGAGATGCTGCAGTGGAAGCTTTCGGCAGCTGGGGTACCCCAGGCAGAGGCAG
GGCTGCCACCTGTGGTGGATGCCATTGATGACGCCTCTGTGGAGGAGGACTTGGCAGTCG
CTGTGGCAGGTGGCCGGTTGGAAGAAGTGAGCTTCCTACAGCCCTACCCAGCCCGGCGAC
GTCGAGCTCTGCTGAGGGCTTCAGGTGTGCGAAGGATCGATCGGGAGGAGAAGCGGGAGC
TGCAGGCACTGCGCCAATCCCGGGAGGATTGTGGCTGTCACTGCGATAGGATCTGCGACC
CTGAGACCTGCAGCTGCAGCCTGGCAGGCATCAAGTGCCAGATGGACCACACAGCATTCC
CCTGTGGCTGCTGCAGGGAGGGCTGTGAGAACCCCATGGGCCGTGTGGAATTTAATCAGG
CAAGAGTTCAGACCCATTTCATCCACACACTCACCCGCCTGCAGTTGGAACAGGAGGCTG
AGAGCTTTAGGGAGCTGGAGGCCCCTGCCCAGGGCAGCCCACCCAGCCCTGGTGAGGAGG
CCCTGGTCCCTACTTTCCCACTGGCCAAGCCCCCCATGAACAATGAGCTGGGAGACAACA
GCTGCAGCAGCGACATGACTGATTCTTCCACAGCATCTTCATCAGCATCGGGCACTAGTG
AGGCTCCTGACTGCCCCACCCACCCAGGCCTGCCTGGCCCTGGCTTCCAGCCTGGCGTTG
ATGATGACAGCCTGGCACGCATCTTGAGTTTCAGTGACTCTGACTTCGGTGGGGAGGAGG
AGGAAGAGGAGGAAGGGAGTGTGGGGAACCTGGACAACCTCAGCTGCTTCCATCCAGCTG
ACATCTTTGGTACTAGTGACCCTGGTGGCCTGGCCAGCTGGACCCACAGCTATTCTGGCT
GTAGCTTCACATCAGGCATCCTGGATGAGAATGCCAACCTGGATGCCAGCTGCTTCCTAA

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ATGGTGGCCTTGAAGGGTCAAGGGAAGGCAGCCTTCCTGGCACCTCAGTGCCACCCAGCA
TGGACGCTGGCCGGAGTAGCTCAGTGGATCTCAGCTTGTCTTCTTGTGACTCCTTTGAGT
TACTCCAGGCTCTGCCAGATTATAGTCTGGGGCCTCACTACACATCACAGAAGGTGTCTG
ACAGCCTGGACAACATCGAGGCACCTCACTTCCCCCTGCCTGGCCTGTCTCCACCTGGGG
ATGCCAGCAGTTGCTTCCTGGAGTCCCTCATGGGCTTCTCCGAGCCAGCCGCCGAAGCCC
TAGATCCCTTTATTGACAGCCAGTTTGAGGACACTGTCCCAGCATCTCTAATGGAGCCTG
TGCCGGTGTGAGGACCAGGATGTCTTTTCCCAGCCCCAAGAGACCTGTTGCTGCTTTCTT
GTAATTATGGGGCTCCCCAGAGTCTGCGTAACAGTCTCCCACTGGCTGGCTCACCCACAG
GTGCCATGTGCACACTCCTGGTTTTCAAACAATTCTCTGGATTTATTTATTTGTTTTAAC
TTTTCTGTGCTGAAGAGAGGACTAGGGGGAGGGGGCTTCCCCTTTCAGCTGCCCGGCCCC
CCACACCCACAGCTTGCTCTTCTATCTCCACAACGTGAGCCTGGAAGAGGAGAAAATGTG
GCTCCTCTGGAGCTTGGCAGACCACTTTTCGGTCTTTGCGTGATGTTCCTTAGCCCAAAG
ACGGTGAGACAGGGCTGAAATCAGGTGGCTTCTGCCACCCTGAGCCCTAGACCCATGGGT
GGCTAAATCCACTGGACTGTGAAGACTATAATTTATTTCCATAATTTATTTGGAGATTGA
GGAGGCTTTGGTTGCACTTCTTTGGCTGGTGGGTAATGCCAGGGGTGGGGTGGGCACAGG
CCCTCAAGAGCCCCTTTTGCCTTGTAGTCCTACACCTTGCCCTGCCTGGGCTTTGGTGCA
GACTAGGTGTGGATTTGAGCTCTGTGATCTATGTCTGCTGCCTGGCTCCTAGATGGCTCT
GCGGGCAGGTGCTGGCCAAGGACATCATCTAGGCAGGGGGAGAGCCTGGGCTGAACAGCT
GTGACCAAAACTCCCTTCTGCCCCACCCTGCCCCCTCCACTTCCTGCCCTCTGTTCCATC
TTCCCCCTTCCCAAAGGCCACAGCCTTTATTCCAGGCCCAGGGATGTAGGAGGGGGAAGG
AGGAAACAGGAAGCCCAGAGAGGGCAAAGGGCCTACCTCGGGGCGCGAACCATGCCCCAG
ACTATTATCTCAGGGCTTTCTGGGCACTGCACTTCAGCGTGGCCCACCTGCCCATGCCCT
GAGGCCAGTTGGCGAGGGGTGGCTCCTGAGGGTTTTTATACCCTTTGTTTGCTAATGTTT
AATTTTGCATCATAATTTCTACATTGTCCCTGAGTGTCAGAACTATAATTTATTCCATTT
CTCTCTGTGTCTGTGCCAAGAAACGCAGGCTCTGGGCCTGCCCCTTGCCCAGGAGGCCTT
GCCAGCCTGTGTGCTTGTGGGAACACCTTGTACCTGAGCTTACAGGTACCAATAAAGAGG
CTTTATTTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_033027

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_033027.2, NP_149016.1
RefSeq Size:	3204 bp
RefSeq ORF:	1770 bp
Locus ID:	64651
UniProt ID:	Q96S65
Cytogenetics:	3p22.2
Gene Summary:	This gene encodes a protein that localizes to the nucleus and expression of this gene is induced in response to elevated levels of axin. The Wnt signalling pathway, which is negatively regulated by axin, is important in axis formation in early development and impaired regulation of this signalling pathway is often involved in tumors. A decreased level of expression of this gene in tumors compared to the level of expression in their corresponding normal tissues suggests that this gene product has a tumor suppressor function. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016] Transcript Variant: This variant (2) contains an alternate 5' terminal exon, resulting in a novel 5' UTR and the use of a downstream start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus compared to isoform a. Variants 2 and 3 encode the same isoform. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.