

Product datasheet for **RG207875**

AXUD1 (CSRNP1) (NM_033027) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AXUD1 (CSRNP1) (NM_033027) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AXUD1
Synonyms:	AXUD1; CSRNP-1; FAM130B; TAIP-3; URAX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207875 representing NM_033027
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACTGGGCTGTGAAGAGGAAATTTGACCAGCTGGATGAGGACAACCTCTCGTCTCCTCCTCCTCCT
 CTTCTCTGGGTGCCAGTCTCGCTCCTGCTCCCAAGCTTTCTGTCTCCCGTGCCTGGACTCAGAGGA
 GGAAGGCCCTGGGATCAGATGCCCTGCCTGACCGTGACTTCTGCGGCCCCAGAAGTTTACCCCCCTG
 TCTATCTGAAGCGAGCTCGCCGGGAGCGCCAGGCCGTGATGCTTTGATGGGATCACCGTCTTCTACT
 TCCCCGCTGCCAGGGCTTACCAGTGTGCCAGCCGTGGTGGCTGTACTCTGGGTATGGCCCTTCGCCA
 CAGTGTCTGCCGTCGTTCTCTTTGGCTGAGTTTGCAGGAGCAAGCCCGTGCACGGCACGAGAAGCTC
 CGCCAGCGCTTGAAGAGGAGAAGTTGGAGATGCTGCAGTGAAGCTTTCGGCAGCTGGGTACCCAGG
 CAGAGGCAGGGCTGCCACCTGTGGTGGATGCCATTGATGACGCCCTGTGGAGGAGGACTTGGCAGTCGC
 TGTGGCAGGTGGCCGGTTGGAAGAAGTGAAGCTTCTACAGCCCTACCCAGCCGGCGACGTGAGCTCTG
 CTGAGGGCTTCAAGTGTGCAAGGATCGATCGGGAGGAGAAGCGGGAGCTGCAGGCACTGCGCCAATCCC
 GGGAGGATTGTGGCTGTCACTGCGATAGGATCTGCGACCCTGAGACCTGCAGCTGCAGCCTGGCAGGCAT
 CAAGTGCCAGATGGACCACACAGCATTCCCCTGTGGCTGTGCAGGGAGGGCTGTGAGAACCCCATGGGC
 CGTGTGGAATTTAATCAGGCAAGAGTTCAGACCCATTTCCATCCACACACTACCCGCCTGCAGTTGGAAC
 AGGAGGCTGAGAGCTTTAGGGAGCTGGAGGCCCTGCCAGGGCAGCCACCCAGCCCTGGTGGAGAGGC
 CCTGGTCCCTACTTTCCACTGGCCAAGCCCCCATGAACAATGAGCTGGGAGACAACAGCTGCAGCAGC
 GACATGACTGATTCTCCACAGCATCTTCATCAGCATCGGGCACTAGTAGGCTCCTGACTGCCCCACCC
 ACCCAGGCTGCCTGGCCCTGGCTTCCAGCCTGGCCTTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 CAGTGACTCTGACTTCGGTGGGAGGAGGAGGAAGAGGAGGAAGGAGTGTGGGGAACCTGGACAACCTC
 AGCTGTTCCATCCAGCTGACATCTTTGGTACTAGTGACCCTGGTGGCCTGGCCAGCTGGACCCACAGCT
 ATTCTGGCTGTAGCTTACATCAGGCATCCTGGATGAGAATGCCAACCTGGATGCCAGCTGCTTCTCTAAA
 TGGTGGCCTTGAAGGTCAGGGGAAGGCAGCCTTCTGGCACCTCAGTGCACCCAGCATGGACGCTGGC
 CGGAGTAGCTCAGTGGATCTCAGCTTGTCTTCTGTGACTCCTTTGAGTTACTCCAGGCTCTGCCAGATT
 ATAGTCTGGGCCTCACTACACATCACAGAAGGTGTCTGACAGCCTGGACAACATCGAGGCACCTCACTT
 CCCCCTGCCTGGCTGTCTCCACCTGGGATGCCAGCAGTTGCTTCTGGAGTCCCTCATGGCTTCTCC
 GAGCCAGCGCCGAAGCCCTAGATCCCTTTATTGACAGCCAGTTGAGGACACTGTCCAGCATCTCTAA
 TGAGCCTGTGCCGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207875 representing NM_033027
 Red=Cloning site Green=Tags(s)

MTGLLKRKFDQLDEDNSSVSSSSSSGCSRSRSPSSSVSRAWDSEEGPWDQMPPLPDRDFCGPRSFTPL
 SILKRARRERPRVAFDGITVFYFPRCQGFTSVPSRGGCTLGMALRHSACRRFLAEFAQEQRARHEKL
 RQRLKEEKLEMLQWKL SAAGVPQAEAGLPPVDAIDDAVVEEDLAVAVAGGRLEEVSLQPYPARRRRAL
 LRASGVRRIDREKRELQALRQSDREDCGCHCDRIDPETCSCSLAGIKQMDHTAFPCGCCREGCENPMG
 RVEFNQARVQTHFIHTLTRLQLEQEAESFRELEAPAQGSPPSPGEEALVPTFPLAKPPMNNELGDNSSCS
 DMTDSSTASSASGTSEAPDCPTHPLPGPGFQPGVDDSLARILSFSDSDFGGEEEEEEGVSGLNDNL
 SCFHPADIFGTSDPGLASWTHSYSGCSFTSGILDENANLDASCFLNGLLEGSREGSLPGTSVPPSMDAG
 RSSVDLSLSSCSFELLQALPDYSLGPHYTSQKVSDSLDNIEAPHFPLPGLSPPGDASSCFLESLMGFS
 EPAAEALDPFIDSQFEDTVPASLMPEVPV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_033027

ORF Size: 1767 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

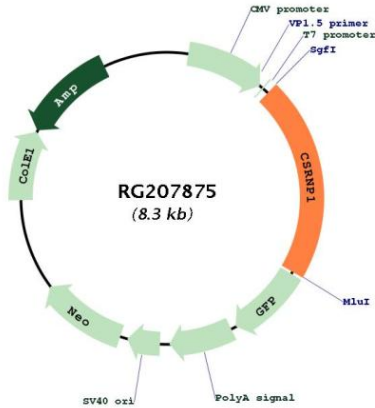
Locus ID: 64651

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]

Product images:


Circular map for RG207875