

Product datasheet for **SC327669**

ALIX (PDCD6IP) (NM_001162429) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALIX (PDCD6IP) (NM_001162429) Human Untagged Clone
Tag:	Tag Free
Symbol:	ALIX
Synonyms:	AIP1; ALIX; DRIP4; HP95
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001162429, the custom clone sequence may differ by one or more nucleotides

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ATGGCGACATTCATCTCGGTGCAGCTGAAAAAGACCTCAGAGGTGGACCTGGCCAAGCCG
CTGGTGAAGTTCATCCAGCAGACTTACCCAAGCGGGGGAAGAGCAGGCCCACTACTGC
CGCGCGGCGGAGGAGCTCAGCAAGCTGCGCCGCGCCGAGTCGGTCGTCGCGTGGACAAG
CACGAGGCGCGCTCGAGACGCTCCTGAGATATTATGATCAGATTTGTTCTATTGAACCC
AAATTCACATTTTCTGAAAATCAGATCTGCTTGACATTTACCTGGAAGGATGCTTTCGAT
AAAGGTTCACTTTTGGAGGCTCTGAAAACTGGCTCTTGCAAGCTTAGGATATGAAAAG
AGCTGTGTGTTGTTCAATTGTGCAGCCTTAGCTAGCCAAATTGCAGCAGAACAGAACCTG
GATAATGATGAAGGATTGAAAATCGCTGCTAAACATTACCAAGTTTGTAGTGGTGCCTTT
TTACATATTAAGAGACGGTTTTATCTGCCTAAGTCGAGAGCCGACCGTGGACATATCT
CCAGATACTGTTGGGACCCTCAGTCTTATTATGCTGGCACAGGCTCAAGAAGTATTTTTT
TTAAAAGCCACAAGAGATAAAATGAAAGATGCCATCATAGCTAAATTGGTAATCAGGCT
GCAGATTATTTGGTGATGCTTTCAAACAGTGCAATACAAAGATACTCTCCCAAGTAT
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AGGTTACAGCATGCAGCAGAAGTATTAAAACAGTGGCATCTCGCTATGATGAATATGTT
AATGTGAAGGATTTTCTGACAAAATCAATCGTGCCCTTGTGTCAGAAAGAAGGATAAT
GACTTCATTTATCATGATCGAGTTCAGACCTTAAAGATCTAGATCCTATTGGCAAAGCC
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GAGAAGATGGTCCCCTGTGTCAGTACAGCAGTCTTTGGCTGCCTATAATCAGAGGAAAGCC
GATTTGGTTAACAGATCAATTGCTCAGATGAGAGAAGCCACCCTTTGGCAAATGGGGTG
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TCTATATTGACTAAATCCAGATCTGTGATTGAACAGGGAGGCATCCAGACTGTTGATCAG
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CATCGTGACACCATCGTGCTTTTGTGTAAGCCAGAGCCTGAGCTGAATGCTGCCATCCCT
TCTGCTAATCCAGCAAAGACCATGCAGGGCAGTGAAGTTGTAATGTCTTAAAATCCTTA
TTGTCAAATCTTGATGAAGTAAAGAAGGAAAGAGAGGGTCTGGAGAATGACTTGAATCT
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GAAGAAGCTCTTCTGTTACTGAACTAGATCGAGTCTATGGAGGTCTTACAACATAAAGTC
CAAGAATCTCTAAAGAAACAGGAGGGACTTCTTAAAAATATTCAGGTCTCACATCAGGAA
TTTTCAAAAATGAAACAATCTAATAATGAAGCTAACTTAAAGAGAAGAAGTTTTGAAGAAT
TTAGCTACTGCATATGACAACCTTGTGAACTTGTAGCTAATTTGAAGGAAGGCACAAAG
TTTTACAAATGAGTTGACTGAAATCCTGGTCAGGTTCCAGAACAATGCAGTGATATAGTT
TTTGCACGGAAGACAGAAAGAGATGAACTCTTAAAGGACTTGAACAAAGCATTGCCAGA
GAACCTAGTGCTCCTTCAATTCCTACACCTGCGTATCAGTCTCACCAGCAGGAGGACAT
GCACCAACTCCTCCAACCTCCAGCAGCAAGAACCATGCCGCTACTAAGCCCCAGCCCCCA
GCCAGGCTCCACCACCTGTGCTTCCAGCAAATCGAGCTCCTTCTGCTACTGCTCCATCT
CCAGTGGGGGCTGGGACTGCTGCGCCAGCTCCATCACAACGCCTGGCTCAGCTCCTCCT
CCACAGGCGCAGGGACCACCTATCCCACCTATCCAGGATATCCTGGGTATTGCCAAATG
CCCATGCCATGGGCTATAATCCTTATGCGTATGGCCAGTATAATATGCCATATCCACCA
GTGTATCACCAGAGTCTGGACAGGCTCCATACCCGGGACCCAGCAGCCTTCATACCCC
TTCCCTCAGCCCCACAGCAGTCTTACTATCCACAGCAG
    
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Restriction Sites: Please inquire
ACCN: NM_001162429
Insert Size: 5987 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:	<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_001162429.1</u> , <u>NP_001155901.1</u>
RefSeq Size:	5987 bp
RefSeq ORF:	2622 bp
Locus ID:	10015
UniProt ID:	<u>Q8WUM4</u>
Cytogenetics:	3p22.3
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis
Gene Summary:	<p>This gene encodes a protein that functions within the ESCRT pathway in the abscission stage of cytokinesis, in intraluminal endosomal vesicle formation, and in enveloped virus budding. Studies using mouse cells have shown that overexpression of this protein can block apoptosis. In addition, the product of this gene binds to the product of the PDCD6 gene, a protein required for apoptosis, in a calcium-dependent manner. This gene product also binds to endophilins, proteins that regulate membrane shape during endocytosis. Overexpression of this gene product and endophilins results in cytoplasmic vacuolization, which may be partly responsible for the protection against cell death. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. Related pseudogenes have been identified on chromosome 15. [provided by RefSeq, Jan 2012]</p> <p>Transcript Variant: This variant (2) represents the longest transcript and encodes the longest isoform (2).</p>