OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC111969

ACTR5 (NM_024855) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACTR5 (NM_024855) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACTR5
Synonyms:	Arp5; INO80M
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_024855, the custom clone sequence may differ by one or more nucleotides

ATGGCGGCGAACGTGTTCCCGTTCCGCGACGCCCGTGCCGCACCGGACCCAGTGCTGGAGGCCGGCCCGG
TGGCACACGGGCCACTGCCGGTACCGCTGGTGCTGGACAACGGGTCGTTCCAAGTCCGCGCTGGCTGGGC
GTGTCCCGGGCAGGACCCAGGTCCCGAGCCGCGCCTGCAGTTCCGCGCGGTGTGCGCCCGCGGTCGTGGC
GGGGCACGGGGCGCGTCGGGCCCGCAGGTGGGGAACGCTCTGGGCAGCCTGGAGCCACTGCGCTGGATGC
TGCGCTCGCCCTTCGACCGCAACGTGCCGGTCAACCTGGAGCTTCAGGAGTTGCTGCTGGACTACAGCTT
CCAGCACCTGGGTGTCTCCTCACAGGGCTGTGTTGATCATCCCATAGTTTTGACAGAAGCTGTGTGCAAC
CCACTGTATTCACGGCAAATGATGTCTGAGCTTCTTTTTGAGTGCTACGGGATTCCCAAGGTTGCCTATG
GAATAGACAGCCTCTTCAGCTTCTACCACAATAAGCCAAAGAACTCGATGTGCAGTGGGCTAATCATTTC
ATCTGGATACCAGTGTACGCATGTTTTACCCATCTTAGAAGGGAGATTAGATGCTAAAAACTGCAAGCGC
ATCAATCTTGGAGGAAGCCAAGCAGCTGGTTACCTCCAGCGTCTCCTCCAGCTGAAGTACCCTGGGCACC
TGGCAGCCATCACCCTCAGCCGCATGGAGGAGATTCTGCATGAGCACAGCTACATCGCTGAGGATTATGT
GGAAGAATTACACAAATGGCGGTGTCCTGATTATTATGAGAATAATGTCCACAAGATGCAGCTCCCATTT
TCCAGCAAGCTCCTGGGCAGCACTCTGACCTCTGAGGAGAAACAAGAAAGGCGGCAGCAGCAATTGCGGC
GGCTGCAGGAGCTCAATGCCCGGCGGCGGGAGGAGAAGCTGCAGCTGGATCAGGAGCGTCTGGACCGACT
GCTATATGTGCAGGAACTTCTAGAGGATGGCCAGATGGATCAGTTTCACAAAGCTCTGATAGAGCTGAAT
ATGGACTCCCCAGAAGAGCTGCAGTCCTACATCCAGAAGCTCAGTATAGCAGTGGAGCAGGCTAAGCAGA
AAATCCTCCAAGCGGAAGTCAACCTCGAGGTGGATGTGGTAGACAGCAAGCCAGAGACCCCTGACCTGGA
GCAGCTGGAGCCGTCTTTGGAAGATGTGGAAAGCATGAATGATTTTGATCCCTTGTTTTCAGAGGAAACA
CCTGGAGTGGAGAAGCCGGTCACCACTGTTCAGCCCGTGTTTAACTTGGCAGCATATCATCAGCTATTTG
TTGGGACAGAAAGAATTCGAGCTCCAGAGATTATTTTCCAGCCATCTCTCATAGGAGAAGAACAGGCTGG
GATTGCAGAGACTCTTCAGTACATTCTGGACAGGTACCCAAAGGACATTCAGGAAATGCTGGTTCAGAAC
GTTTTCCTCACTGGCGGCAACACGATGTATCCTGGCATGAAAGCCAGAATGGAGAAGGAACTGTTGGAGA
TGAGACCCTTCCGGTCTTCTTTTCAGGTTCAACTTGCCTCGAACCCTGTGCTGGATGCCTGGTACGGTGC
TCGTGACTGGGCCTTGAACCACCTAGATGATAATGAAGTTTGGATCACCAGGAAAGAGTATGAAGAAAAG
GGAGGAGAGTACCTCAAGGAGCACTGTGCTTCCAACATCTATGTCCCCATCCGCCTGCCGAAGCAGGCCT
CCCGCTCCTCAGATGCCCAGGCATCCAGCAAGGGCTCCGCTGCTGGTGGAGGTGGTGCTGGTGAGCAGGC
ATAG

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024855 unedited
TCAGTATTTTGTAATACGACTCACTATTAGGGCGGCCGCGATTCGGCACGAGGCTCCAAG
ATGGCGGCGAACGTGTTCCCGTTCCGCGACGCCCGTGCCGCACCGGACCCAGTGCTGGAG
GCCGGCCCGGTGGCACACGGGCCACTGCCGGTACCGCTGGTGCTGGACAACGGGTCGTTC
CAAGTCCGCGCTGGCTGGGCGTGTCCCGGGCAGGACCCAGGTCCCGAGCCGCGCCTGCAG
TTCCGCGCGGTGTGCGCCCGCGGTCGTGGCGGGGCACGGGGCGCGTCGGGCCCGCAGGTG
GGGAACGCTCTGGGCAGCCTGGAGCCACTGCGCTGGATGCTGCGCTCGCCCTTCGACCGC
AACGTGCCGGTCAACCTGGAGCTTCAGGAGTTGCTGCTGGACTACAGCTTCCAGCACCTG
GGTGTCTCCTCACAGGGCTGTGTTGATCATCCCATAGTTTTGACAGAAGCTGTGTGCAAC
CCACTGTATTCACGGCAAATGATGTCTGAGCTTCTTTTTGAGTGCTACGGGATTCCCAAG
GTTGCCTATGGAATAGACAGCCTCTTCAGCTTCTACCACAATAAGCCAAAGAACTCGATG
TGCAGTGGGCTAATCATTTCATCTGGATACCAGTGTACGCATGTTTTACCCATCTTAGAA
GGGAGATTAGATGCTAAAAACTGCAAGCGCATCACTCTTTGTAGGAAGCCAAGCAGCTGG
GTTACCTCCAGCGTTTTCTCCAACTGAAGTACCCTGGGCACCTGGCAGCCATTACCCTCA
GCCGAATGGAGGAGAATCTGCTTGGACCCAAGTACATCGCTTAGGATTATGTGGAAGAAT
TAACACAAATGCGGGGTGTCCTGATTATTATT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024855 unedited
NGGTACTATTAGNNACCGCGGCCGCATTCTANNGATCGATTTTTTTTTTTTTTTTTTTTC
CGGTTCCTGGAGCAACTGCTTTTATTGAATAAACATTACCTTTTATGAAAAATGTATCTT
TTTAGAGACAATGTCTTCCTATGTTGCCCAGGCTGGAGTGCAGTGGTTATTCACAGGTGC
GATCACAGCACACGATAGCCTCGAACTCCCAAGCTCCAGCGATCCTCCTGCCTCAGCCTC
CCACAAAGCTGGGCCTTAACAGGCACGTGCCACTGTGCCTGGCAATAAACATTACCTTTT
TATATGCATGAAAGACCTCCCCTCACTGGGCATTCATGCAATTTCTGAATACATCCAGAA
GAATAAAGTATCTACACGGACAAGATAAATTTTAAAGAATTTTTTTTAAAACAAGAAAGA
CTAAAATGTGGTAAGAAATCAGTCTTGTGCATTTTGTACATTTGTGTCCTCCACTCTGTC
TTCATTTACTGCTCCAGGAAGCTGATGCCACAGCTGGCCACAGTTGAACAAAGACATCAG
AAGGCCAGTTAGTCTCTACCACAGAAGCCCCCAAGTGAACCGAATTCTGAAGGGCAGGTC
TCAGTGTCCCTTAACTTTGTTCTCCCCAGGAGAAATCCATTTTGCTGCCAAATGTGACCA
GCAGACTTGGGCAGGTACATCTAGCACAATCACAGTCCTGTCAAACTGCCAACATGGCCC
AAGGCATGGTGTGCANGGCAGTCTCTCTGGAGGCCTCTGCTATGCCTGCTCACAGCACCA
CCTCCACCAGCAGCGGAGCCCTTGCTGGATGCCTGGGCATCTTGAGAGCGGGAGGCCTGC
TTCGGCAGGGCGATGGGGACATANATGTTGGGAGCACAGTGCTCCCTTGAGTACTCTCCT
CCCTTTTCTTCAACTCCTTTCG

Restriction Sites: NotI-NotI

ACCN: NM_024855

Insert Size: 2700 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).

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_024855.2, NP_079131.2

RefSeq Size: 2479 bp

RefSeq ORF: 1824 bp

Locus ID: 79913

UniProt ID: Q9H9F9

Cytogenetics: 20q11.23

Domains: ACTIN

Gene Summary: Proposed core component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and probably DNA repair. Involved in DNA double-strand break repair and UV-damage excision repair.[UniProtKB/Swiss-Prot Function]