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Product datasheet for SC112395

ACTR8 (NM_022899) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACTR8 (NM_022899) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACTR8
Synonyms:	ARP8; hArp8; INO80N
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>NCBI ORF sequence for NM_022899, the custom clone sequence may differ by one or more nucleotides

ATGACCCAGGCTGAGAAGGGTGATACGGAGAACGGAAAGGAGAAGGGCGGCGAGAAGGAGAAGGAGCAGC
GCGGCGTGAAGCGGCCCATCGTGCCCGCGCTGGTGCCGGAGTCGCTGCAAGAGCAAATCCAGAGCAACTT
CATCATTGTCATACATCCAGGTTCAACAACTTTAAGGATTGGTCGAGCCACAGACACTCTTCCTGCCAGC
ATTCCTCACGTCATTGCCCGAAGACACAAACAACAAGGGCAGCCCCTATACAAGGACAGTTGGCTCCTAA
GGGAGGGACTAAATAAACCAGAAAGTAATGAACAAAGACAAAATGGCCTTAAAATGGTGGATCAAGCAAT
ATGGTCTAAAAAGATGTCCAATGGTACAAGACGCATTCCTGTGTCCCCTGAACAGGCACGCTCCTACAAT
AAGCAGATGCGACCTGCAATTTTAGATCACTGTTCGGGAAATAAGTGGACAAACACATCTCATCACCCTG
AGTATTTAGTAGGAGAAGAGGCCTTGTATGTTAATCCACTGGACTGTTACAATATTCACTGGCCTATCAG
AAGAGGTCAGTTAAATATTCACCCAGGCCCTGGGGGCTCTCTTACAGCTGTTCTGGCAGATATTGAAGTA
ATATGGTCTCATGCGATACAAAAATACTTGGAAATCCCACTGAAAGATTTAAAGTATTATAGATGTATCT
TGTTAATTCCTGATATCTATAATAAGCAGCATGTGAAAGAACTAGTGAATATGATACTAATGAAGATGGG
TTTTTCAGGGATTGTGGTCCATCAGGAGTCTGTGTGTGCCACCTATGGAAGTGGCTTAAGCAGCACGTGT
ATTGTAGACGTTGGGGACCAGAAGACAAGTGTATGCTGTGTGGAGGATGGGGTGTCTCATCGGAATACTC
GGCTTTGTCTGGCATACGGAGGATCTGATGTGTCAAGATGTTTTTACTGGCTAATGCAGCGAGCTGGGTT
CCCTTACAGAGAATGCCAGTTAACAAATAAAATGGATTGTCTTCTTCTGCAACACCTTAAAGAAACTTTT
TGTCATTTAGATCAGGACATCTCTGGGCTTCAGGACCATGAGTTTCAGATTCGACATCCTGATTCTCCTG
CCCTGCTTTACCAGTTTCGATTAGGAGATGAAAAACTGCAGGCTCCAATGGCTTTGTTTTACCCCGCAAC
TTTTGGAATCGTTGGACAGAAAATGACGACTTTGCAGCACAGATCTCAGGGCGATCCTGAGGATCCTCAC
GATGAACATTACCTGCTGGCCACACAGAGCAAACAAGAACAGTCTGCAAAAGCTACTGCTGACCGAAAGT
CTGCATCCAAACCTATTGGATTTGAAGGGGATCTTCGTGGCCAGTCCTCTGATCTTCCAGAAAGACTCCA
TTCCCAGGAGGTAGATTTGGGGTCTGCACAGGGAGATGGCCTGATGGCCGGCAACGATTCCGAGGAGGCC
CTCACTGCACTGATGTCCAGGAAGACTGCCATCTCGCTGTTTGAAGGAAAAGCCCTGGGCCTGGATAAAG
CCATCCTCCATAGCATAGACTGCTGTTCATCTGACGACACCAAAAAGAAGATGTACAGCTCCATCCTAGT
GGTGGGAGGTGGTTTGATGTTTCATAAAGCTCAAGAATTTCTGCAGCACAGAATTCTCAACAAAATGCCA
CCATCCTTCAGGCGAATTATTGAAAATGTGGATGTGATCACAAGGCCTAAGGACATGGACCCCCGGCTGA
TTGCATGGAAAGGAGGGGCAGTGTTGGCTTGTTTGGATACAACACAGGAACTGTGGATTTATCAGCGAGA
GTGGCAGCGCTTTGGTGTCCGCATGTTACGAGAGCGGGCTGCGTTTGTGTGGTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022899 unedited
NGGTCGATATTTGATACACTTACTTAGGCGGCCGGATTCGCCCAGGAAAGAGAAGGCGGC
GAGAAGGAGAAGGAGCAGCGCGGCGTGAAGCGGCCCATCGTGCCCGCGCTGGTGCCGGAG
TCGCTGCAAGAGCAAATCCAGAGCAACTTCATCATTGTCATACATCCAGGTTCAACAACT
TTAAGGATTGGTCGAGCCACAGACACTCTTCCTGCCAGCATTCCTCACGTCATTGCCCGA
AGACACAAACAACAAGGGCAGCCCCTATACAAGGACAGTTGGCTCCTAAGGGAGGGACTA
AATAAACCAGAAAGTAATGAACAAAGACAAAATGGCCTTAAAATGGTGGATCAAGCAATA
TGGTCTAAAAAGATGTCCAATGGTACAAGACGCATTCCTGTGTCCCCTGAACAGGCACGC
TCCTACAATAAGCAGATGCGACCTGCAATTTTAGATCACTGTTCGGGAAATAAGTGGACA
AACACATCTCATCACCCTGAGTATTTAGTAGGAGAAGAGGCCTTGTATGTTAATCCACTG
GACTGTTACAATATTCACTGGCCTATCAGAAGAGGTCAGTTAAATATTCACCCAGGCCCT
GGGGGCTCTCTTACAGCTGTTCTGGCAGATATTGAAGTAATATGGTCTCATGCGATACAA
AAATACTTGGAAATCCCACTGAAAGATNTAAAGTATTATAGATGTATCTTGGTAATTCCT
GATATCTATAATAAGCAGCATGTGAAAGAACTAGTGAATATGATACTAATGAAGATGGGT
TTTTCAGGGATTGTGGTCCATCANGAGTCTGTGTGTGCACCTATGGAAGTGGCTTAGCAC
ACGTGTATGTANAACGTGGGGACANAANACANTGATGCTGTGTGGAGATGGGTGTCTCAT
CGGAATACTCGCTTGTCTGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_022899 unedited
GTACACTATGNACGCGGCCGCAATCTATGATCGGTTTTTTTTTTTTTTTTTTAAAGTTC
AAATTCATTTACTGTCCATGACACTTAAGCATCCAGATCAATAAATTACAATACACATAT
TCTGTAAGAGTCTTTTATACCAAGAAGCTTGTTTTTGGTCTTCGGCAGTGACATTTCCTC
CCCATTCACCACACAAACGCAGCCCGCTCTCGTAACATGCGGACACCAAAGCGCTGCCAC
TCTCGCTGATAAATCCACAGTTCCTGTGTTGTATCCAAACAAGCCAACACTGCCCCTCCT
TTCCATGCAATCAGCCGGGGGTCCATGTCCTTAGGCCTTGTGATCACATCCACATTTTCA
ATAATTCGCCTGAAGGATGGTGGCATTTTGTTGAGAATTCTGTGCTGCAGAAATTCTTGA
GCTTTATGAAACATCAAACCACCTCCCACCACTAGGATGGAGCTGTACATCTTCTTTTTG
GTGTCGTCAGATGAACAGCAGTCTATGCTATGGAGGATGGCTTTATCCAGGCCCAGGGCT
TTCCCTTCAAACAGCGAGATGGCAGTCTTCCTGGACATCAGTGCAGTGAGGGCCTCCTCG
GAATCGTTGCCGGCCATCATGCCATCTCCCTGTGCAGACCCCAAATCTACCTCCTGGGAA
TGGAGTCTTTCTGGGAGATCAGAGGACTGGCCACGAAGATCCCCTTCAAATCCAATAGGT
TTTGGATGCAGACTTTCCGTCAGCAGTAGCTTTTGCAGACTGGTCTTTGTTGCTCTGTGT
GGCCAGCCAGGAATGGTCATCGTGAGGATCCCTCAGATCGCCCCGAGATCTGTGCTGCAA
AGTCGTCATTTNTTGTCCCACAAATTCAAAAGTGGCGGGGGTAAACAAAC

Restriction Sites: NotI-NotI

ACCN: NM_022899

Insert Size: 2000 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_022899.3, NP_075050.3

RefSeq Size: 3629 bp

RefSeq ORF: 1875 bp

Locus ID: 93973

UniProt ID: Q9H981

Cytogenetics: 3p21.1

Gene Summary: Plays an important role in the functional organization of mitotic chromosomes. Exhibits low basal ATPase activity, and unable to polymerize.[UniProtKB/Swiss-Prot Function]