

Product datasheet for **SC113588**

C20orf20 (MRGBP) (NM_018270) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C20orf20 (MRGBP) (NM_018270) Human Untagged Clone
Tag:	Tag Free
Symbol:	C20orf20
Synonyms:	C20orf20; Eaf7; MRG15BP; URCC4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018270, the custom clone sequence may differ by one or more nucleotides

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ATGGGAGAGGCCGAGGTGGGCGGCGGGGCGCCGAGGCGACAAGGGCCCGGGGAGGCGGCCACCAGCC  
CGGCGGAGGAGACAGTGGTGTGGAGCCCGAGGTGGAGGTGTGCCTCTTCCACGCCATGCTGGGCCACAA  
GCCCGTCGGTGTGAACCGACACTTCCACATGATTTGTATTCGGGACAAGTTCAGCCAGAACATCGGGCGG  
CAGGTCCCATCCAAGTCATCTGGGACCATCTGAGCACCATGTACGACATGCAGGCGCTGCATGAGTCTG  
AGATTCTCCATCCCGAATCCAGAGAGGAACTTCGTCTTCCAGAAGAGATCATTAGGAGGTCCGAGA  
AGGAAAAGTGATGATAGAAGAGGAGATGAAAGAGGAGATGAAGGAAGACGTGGACCCCAATGGGCT  
GACGATGTTTTTCATCTTCAGGGAGTTTGGGGAAGCATCAGAAAAATCCAGCAAAGACAAAGAGAAGA  
ACTCCTCAGACTTGGGGTGCAAAGAAGGCGCAGACAAGCGGAAGCGCAGCCGGGTACCCGACAAAGTCT  
GACCGCAAACAGCAACCCTTCCAGTCCCAGTGCTGCCAAGCGGCGCCGCACGTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_018270 unedited TTCGAATTTTGTAAACGACTTACTATTAGGGCGGCCGCGAATTCGCACCAGGGCCGCGC CTGCTCCC GCCGGGGCTCCTTGCTCGGCCGGCCGCGGCCATGGGAGAGGCCGAGGTGG GCGGGGGGGCGCCGAGGCGACAAGGGCCGGGGGAGGCGGCCACCAGCCCGCGGAGG AGACAGTGGTGTGGAGCCCGAGGTGGAGGTGTGCCTCTTCCACGCCATGCTGGCCACA AGCCCGTCGGTGTGAACCGACACTTCCACATGATTTGTATTGGGACAAGTTCAGCCAGA ACATCGGGCGGCAGGTCCCATCCAAGTTCATCTGGGACCATCTGAGCACCATGTACGACA TGCAGGCCTGCATGAGTCTGAGATTCTCCATTCCCGAATCCAGAGAGGAACTTCGTCC TCCAGAAGAGATCATTAGGAGTCCGAGAAGGAAAAGTGATGATAGAAGAGGAGATGA AAGAGGAGATGAAGGAAGACGTGGACCCCAATGGGGCTGACGATGTTTTTTCATCTT CAGGGAGTTTGGGAAAGCATCAGAAAAATCCAGCAAAGACAAAGAGAAGAACTCCTCAG ACTTGGGTGCAAAGAAGGCGCAGACAAGCGGAAGCGCAGCCGGGTACCCGACAAAGTCC TGACCGCAAACAGCAACCCTTCCAGTCCCAGTGTGCAAGCGGCCGCCGACGTAGACCC TCAGCCCTGGTGGCGGCAGAGAAGCGGGCGAGGCACTGTGGTCTGCTGAGGGGGTTGGCTG GGTCTGAGTGCCACCCNCCAGCCACAGTGATACCATCCCAGTGCCATGAGCCCACTGG CCCGNCCCCTCAGCTCTCAGTAAACGTGCCGTACGGGGAAACGTGTGTGTCAGTTGG ACATGTGGGACCCTGATGGACCTGAAGACCAGGATCGTCCACTCAGATATGAGGGCTCTG AGCTAGTCTGTCTCTGGACACTT
Restriction Sites:	NotI-NotI
ACCN:	NM_018270
Insert Size:	1650 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:	<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:	NM_018270.3 , NP_060740.1
RefSeq Size:	1685 bp
RefSeq ORF:	615 bp
Locus ID:	55257
UniProt ID:	Q9NV56
Cytogenetics:	20q13.33
Protein Families:	Transcription Factors

Gene Summary:

Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage.
[UniProtKB/Swiss-Prot Function]