

Product datasheet for **SC114112**

CHRAC1 (NM_017444) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHRAC1 (NM_017444) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHRAC1
Synonyms:	CHARC1; CHARC15; CHRAC-1; CHRAC-15; CHRAC15; YCL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114112 sequence for NM_017444 edited (data generated by NextGen Sequencing) ATGGCGGACGTGGTCGTGGGTAAGACAAGGGCGGGGAGCAGCGGCTCATCTCGCTGCCT CTATCCCGCATCCGGGTCATCATGAAGAGCTCCCCGAGGTGCCAGCATCAACCAGGAG GCGTTGGTGCTCACGGCCAAGGCCACGGAGCTTTTGTCAATGCCTAGCCACCTATTCC TACAGACACGGCAGTGGAAGGAAAAGAAAGTACTGACTTACAGTGATTTAGCAAACACT GCACAGCAATCAGAACTTTTCAGTTTCTTGCAGATATATTACCAAAGAAGATTTTAGCT AGTAAATACCTGAAAATGCTTAAAGAGGAAAAGAGGGAAGAAGATGAGGAGAATGACAAT GATAATGAAAGTGACCATGATGAAGCTGACTCCTAA

Clone variation with respect to NM_017444.5



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_017444 unedited ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGGGCAGCCACTTCGCGGTCCG GGCCCGCCGGCTGCGGGCACCCGCGCGACGGGCGGAAGATGGCGGACGTGGTCGTGGGT AAAGACAAGGGCGGGGAGCAGCGGCTCATCTCGCTGCCTCTATCCCGCATCCGGGTATC ATGAAGAGCTCCCCGAGGTGTCCAGCATCAACCAGGAGGCGTTGGTGTACAGGCAAG GCCACGGAGCTCTTTGTTCAATGCCTAGCCACCTATTCTACAGACACGGCAGTGGAAAG GAAAAGAAGTACTGACTTACAGTGTATTAGCAAACACTGCACAGCAATCAGAACTTTT CAGTTTCTTGAGATATATTACCAAAGAAGATTTTAGCTAGTAAATACCTGAAAATGCTT AAAGAGGAAAAGAGGGAAGAAGATGAGGAGAATGACAATGATAATGAAAGTGACCATGAT GAAGCTGACTCCTAAACAAAAGTGCTTTAAAAACCAGCCTGGCGAGGACAGCCCTGGAC CCACTCCACTGTCTAAGTAAACACAGCACTGCCGCTTTTAGCGTCTTCACTTCTTCA CAGAGTCCAGTGCCTGATTCTTTTCGAGGTATTCTTTCCAGGCCGAGATTGAGCACCT CATGTACCTACGCCACAGACAGCCAGAGGAAAGCGACCCAGACAGCAGCCCTCCTCGA CAGGCCACCCTGCAGCTCANGCACCAAGAAACAGCCGATACTGGCAGCCATTGCAGCTC CCAACTGCAGAGGCANGGCCATTTAACTNNTTCAATTTACAGTCGATTNTGAAGGCCTC TACATATCGTTATGTAATCATATATGTATTTTGAATCAGTTCTTATAACCAGCTCGAT CAGTNTAGCTAAATTATAGNTNAGGNAGNATGCTACATTTGAAATCTTGTCTAAAGAAAG NTGACTGGTCAGATATCTTNCTACTGTAAGAAATTACTTT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_017444 unedited TTTTTTTTAAATAAAGTCAATGACAANAGGACANAAACACCAGTGGTTGCTAGGGGGCAG GAGAAGAGAGGAACAGAGGAACAGAGGGGAATGCCTGGGTGGCAGAAGTCTCTATCGA TTGGTTACAAAACCATGCATTTGTCAAATTCACAGACTAGACACTAAAAAGGTGATTTT ACTGAATGTAAATTATAAACTTTTTTCATTTTTAAAAAAGAGATAATGAAGGCCAGGCATG GTGGCTCACGCCTGTAATCCCGCGGCACTTTGGGAGGCTGAGGCAGGTGGATCAGTTGA GGTTAGGAGTTTGGACAAGCCTGGCCAACATGGTGAACCCCGTCTCTACTAAAAATAC AAAAATAGGTTGGGCATGGTGGCACACGCCTGTAATCCAGCTACTCACGAGGATGAGGC AGGAGAATCACTTGAACCTGGGAGGCGGAGGTTGCAGTGAAGTGCAGACAGCGCCACC ATCCAGCCTGNGCAACTGAGTGAGAATCTGTCTTTAAAAAAGATAATGAA ATGAGAAGAGCCAAACATTTACCCTAAGTGGAAGAAAAAATTGGGCTTATGATAGGTTTT CTCTTA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_017444
Insert Size:	2140 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_017444.3](#), [NP_059140.1](#)

RefSeq Size: 2496 bp

RefSeq ORF: 396 bp

Locus ID: 54108

UniProt ID: [Q9NRG0](#)

Cytogenetics: 8q24.3

Gene Summary: CHRAC1 is a histone-fold protein that interacts with other histone-fold proteins to bind DNA in a sequence-independent manner. These histone-fold protein dimers combine within larger enzymatic complexes for DNA transcription, replication, and packaging.[supplied by OMIM, Apr 2004]

Transcript Variant: This variant (1) represents the longest transcript and encodes the functional protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.