

Product datasheet for **SC321397**

CP2c (TFCP2) (NM_005653) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CP2c (TFCP2) (NM_005653) Human Untagged Clone
Tag:	Tag Free
Symbol:	CP2c
Synonyms:	LBP1C; LSF; LSF1D; SEF; TFCP2C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005653.3
 GAGAGAGCGAGACCTGGGAGGGAGGGTCTCCAGCAGAAAGGGGCGGGGAAAAGGTGC
 AAAAGCAGCGTGGGAGCGCCGGGCTGGCTTCTGCGGCTGCTGCTGGTCTGACTGGGAAG
 CAGCAAGCCACCTACGAACTCTAAGAGGAGTGGGAGTGGGGAGTCCAGAGCTGCCT
 CTGGGAAGTCTGCAGTAGTTGAGCAAAGGGTCTCACGTTCTGAGAGCTGGGCAGGGG
 GGATTTTGAACCTGGGGCAGCCAAGAACGAGCAGCCAAGGTACGGGAGATTAGTTGTG
 CACAGAGCAGTGTAGTCGGGCTTGGGGTGGCTGGTGGGCACTGCCTGGGAAACCTTGT
 TTTGTAGTTTTCTTGGTTTGCCTTACTCCTGTTGGGTAGAATTACCCTCCGCGCCTTTGT
 ACAAGACACGGTGTCTCCTGGGGCAAGGAAGGAGCCAGGATGGCCTGGGCTCTGAAGCTG
 CCTCTGGCCGACGAAGTATTGAATCCGGGTTGGTGCAGGACTTTGATGCTAGCCTGTCC
 GGGATCGCCAGGAAGTGGTGTGGTGCCTATAGCATGAGTGTGCTTGCATTGCC
 ATTTTTAAGCAAGAAGAGTCGAGTTTGCCTCTGATAATGAGAATAAAATCCTGCCTTTT
 CAATATGTCTTTGTGCTGCTACCTCTCCAGCAGTGAACTCCATGATAAAACCTAACG
 TATCTCAATCAAGGACAGTCTTATGAAATTCGAATGCTAGACAATAGGAACTTGGAGAA
 CTTCCAGAAATTAATGGCAAATTTGGTGAAGAGTATATTCCGTGTGGTGTCCATGACAGA
 AGGCTTACGTACACTGAGCATCAGCAGCTAGAGGGCTGGAGGTGGAACCGACCTGGAGAC
 AGAATTCTTGACATAGATATCCCGATGTCTGTGGGTATAATCGATCCTAGGGCTAATCCA
 ACTCAACTAAATACAGTGGAGTTCCTGTGGGACCTGCAAAGAGGACATCTGTGTTTATT
 CAGGTGCACTGTATTAGCACAGAGTTCCTATGAGGAAACATGGTGGAGAAAAGGGGGTG
 CCATTCGAGTACAAATAGATACCTTCAAGGAGAATGAAAACGGGGAATATACTGAGCAC
 TTACTCTGGCCAGCTGCCAGATCAAAGTTTTCAAGCCAAAGGTGCAGACAGAAAGCAA
 AAAACGGATAGGGAATAATGGAGAAACGAACCTCATGAAAAGGAGAAATATCAGCCT
 TCCTATGAGACAACCATACTCACAGAGTGTCTCCATGGCCCGAGATCAGGTATGTCAAT
 AACTCCCCATCACCTGGCTTCAACAGTTCATAGCAGTTTTTCTTGGGGAAGGAAAT
 GGTTCACCAAACCACAGCCAGCCACCCCTCCAGTACAGATAACCTCTTACCAACA
 ACCACACCTCAGGAAGCTCAGCAGTGGTTCATCGAAATCGTTTTTCTACATTCACAAGG
 CTTTTACAAACTTCTCAGGGCAGATTTATTGAAATTAAGTAGAGATGATGTGATCCAA
 ATCTGTGGCCCTGCAGATGGAATCAGACTTTTTAATGCATTAAGGCCGGATGGTGCCT
 CCAAGGTTAACCATTTATGTTTGCAGGAATCACTGCAGTTGAGGGAGCAGCAACAACAG
 CAGCAGCAACAGCAGCAGAAGCATGAGGATGGAGACTCAATGGTACTTTCTTCTGTTTAC
 CATGCTATCTATAGAAGAACTAACAGCTGTTGAATTGACAGAAAAAATTGCTCAGCTT
 TTCAGCATTTCCCTTGGCAGATCAGCCAGATTTACAAGCAGGGGCAACAGGAATTCAT
 GTGCTCATCAGTGTGATGATACAGAACTTTCAGGAAGAAGCATGTTTTATTCTGGAC
 ACAATGAAAGCAGAAACCAATGATAGCTATCATATCACTGAAGTAGGAGTGGCGCGTT
 TCGTGGCCAGTGGCTGCTCCTTCCCTCACCTCTGAAAACGGCCCTCTTGAAGGGGGAT
 GAATGGAGATTTGAAGTCTGCAAGAACCTGACTCGTCTGACTGTGTGGGAGGAGTCCA
 GGCCATGGAGGCAGAATCCTGGCCCTCTGTGTTGGCCAAAGCTCTGTGGTACACACAGA
 TTAATGCCCAATATGCAGTCTGCAGCTGTTTTAGTTAAATTTCTGGACCTTGTGTTGT
 TAAATATCAGTAGAACTCTACATAATTTAGAGTGTATGTAGGCATAATGATGATGGGA
 ATTGTGTGATGTTTAAACAGGAAGATCTTAAATTTTGTGATATGGAGCCCTGTAATTTTT
 TCTTATATAAAAAATGGGTATCTATATTCATAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_005653

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:	NM_005653.3 , NP_005644.2
RefSeq Size:	2393 bp
RefSeq ORF:	1509 bp
Locus ID:	7024
UniProt ID:	Q12800
Cytogenetics:	12q13.12-q13.13
Domains:	CP2
Protein Families:	Transcription Factors
Gene Summary:	<p>This gene encodes a transcription factor that binds the alpha-globin promoter and activates transcription of the alpha-globin gene. The encoded protein regulates erythroid gene expression, plays a role in the transcriptional switch of globin gene promoters, and it activates many other cellular and viral gene promoters. The gene product interacts with certain inflammatory response factors, and polymorphisms of this gene may be involved in the pathogenesis of Alzheimer's disease. [provided by RefSeq, Mar 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). 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.</p>