

Product datasheet for **RG201221**

CP2c (TFCP2) (NM_005653) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CP2c (TFCP2) (NM_005653) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CP2c
Synonyms:	LBP1C; LSF; LSF1D; SEF; TFCP2C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG201221 representing NM_005653
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTGGGCTCTGAAGCTGCCTCTGGCCGACGAAGTATTGAATCCGGTTGGTGCAGGACTTTGATG
 CTAGCCTGTCGGGATCGGCCAGGAAGTGGGTGCTGGTGCCTATAGCATGAGTGTCTTGCATTGCC
 CATTTTTAAGCAAGAAGAGTTCGAGTTTGCCCTCTGATAATGAGAATAAAATCCTGCCTTTCAATATGTG
 CTTTGTGCTGCTACCTCTCCAGCAGTGAAGTCCATGATGAAACCCTAACGTATCTCAATCAAGGACAGT
 CTTATGAAATTCGAATGCTAGACAATAGGAACTTGGAGAAGTCCAGAAATTAATGGCAAATTTGGTGA
 GAGTATATTCCGTGTGGTGTCCATGACAGAAGGCTTCAGTACACTGAGCATCAGCAGCTAGAGGGCTGG
 AGGTGGAACCGACCTGGAGACAGAATTCCTGACATAGATATCCCGATGTCTGTGGGTATAATCGATCCTA
 GGGCTAATCCAACCACTAAATACAGTGGAGTTCCTGTGGGACCCTGCAAAGAGGACATCTGTGTTTAT
 TCAGGTGCACTGTATTAGCACAGAGTTCCTATGAGGAAACATGGTGGAGAAAAGGGGTGCCATCCGA
 GTACAAATAGATACCTTCAAGGAGAATGAAAACGGGGAATATACTGAGCACTTACTCGCCAGCTGCC
 AGATCAAAGTTTTCAAGCCAAAGGTGCAGACAGAAAGCAAAAAACGGATAGGGAATAATGGAGAAACG
 AACACCTCATGAAAAGGAGAAATATCAGCCTTCTATGAGACAACCATACTCACAGAGTGTCTCCATGG
 CCCGAGATCACGTATGTCAATACTCCCATCACCTGGCTTCAACAGTCCCATAGCAGTTTTTCTCTTG
 GGAAGGAAATGGTTCACCAAACCAGCCAGAGCCACCCCTCCAGTCACAGATAACCTTTACCAAC
 AACCACACCTCAGGAAGCTCAGCAGTGGTTCATCGAAATCGTTTTTCTACATTCACAAGGCTTTTACA
 AACTTCTCAGGGCAGATTTATTGAAATTAAGTATGATGTGATCCAATCTGTGGCCCTGCAGATG
 GAATCAGACTTTTTAATGCATTAAGGCGGATGGTGGTCCAAGGTTAACATTTATGTTTGCAGGA
 ATCACTGCAGTTGAGGGAGCAGCAACAACAGCAGCAACAGCAGCAGAGAAGCATGAGGATGGAGACTCA
 AATGGTACTTTCTCGTTTACCATGCTATCTATCTAGAAGAACTAACAGCTGTTGAATTGACAGAAAAA
 TTGCTCAGCTTTTTCAGCATTTCCCTTGCAGATCAGCCAGATTTACAAGCAGGGGCCAACAGGAATTCA
 TGTGCTCATCAGTGTGATGATGATACAGAACTTTCAGGAAGAAGCATGTTTTATTCTGGACACAATGAAA
 GCAGAAACCAATGATAGCTATCATATCATACTGAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG201221 representing NM_005653
 Red=Cloning site Green=Tags(s)

MAWALKLPLADEVIESGLVQDFDASLSGIGQELGAGAYSMSDVLALPIFKQEESLPPDNENKILPFQYV
 LCAATSPAVKLHDETLTYLNQGSYEIRMLDNRKLGELPEINGKLVKSI FRVVFHRRRLQYTEHQLEGW
 RWNRPGRILDIDIPMSVGIIDPRANPTQLNTVEFLWDPKRTSVFIQVHCISTEFMRKHGGEKGVVFR
 VQIDTFKENENGEYTEHLHSASCQIKVFKPKGADRKQKTDREKMEKRTPEHEKEYQPSYETTILTECSPW
 PEITYVNNSPSPGFNSSHSSFSLGEENGSPNHQPEPPPVTNLLPTTTPQEAQQWLHRNRFSTFTRLFT
 NFSGADLLKLTRDDVIQICGPADGIRLFNALKGRMVRPRLTIYVCQESLQLREQQQQQQQKHEDGDS
 NGTFFVYHAIYEELTAVELTEKIAQLFSISPCQISQIYKQGPTGIHVLISDEMIQNFQEEACFILD
 TMKAETNDSYHIILK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

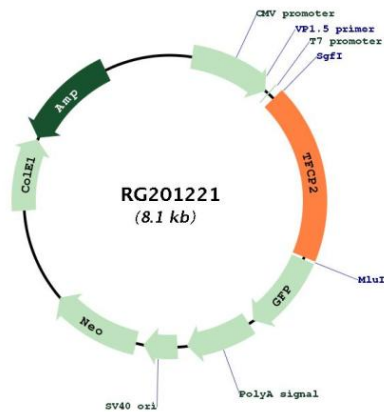

ACCN:	NM_005653
ORF Size:	1506 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_005653.5
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: 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]

Product images:



Circular map for RG201221