

Product datasheet for **RG230106**

CP2c (TFCP2) (NM_001173453) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CP2c (TFCP2) (NM_001173453) 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:

>RG230106 representing NM_001173453
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTGGGCTCTGAAGCTGCCTCTGGCCGACGAAGTATTGAATCCGGTTGGTGCAGGACTTTGATG
 CTAGCCTGTCGGGATCGGCCAGGAAGTGGTGCCTATAGCATGAGTGATGTCCTTGATTGCC
 CATTTTTAAGCAAGAAGAGTCGAGTTTGCCTCCTGATAATGAGAATAAAATCCTGCCTTTCAATATGTG
 CTTTGTGCTGCTACCTCTCCAGCAGTGAAGTCCATGATGAAACCCTAACGTATCTCAATCAAGGACAGT
 CTTATGAAATTCGAATGCTAGACAATAGGAACTTGGAGAAGTCCAGAAATTAATGGCAAATTTGGTAA
 GAGTATATTCCGTGTGGTGTCCATGACAGAAGGCTTCAGTACACTGAGCATCAGCAGCTAGAGGGCTGG
 AGGTGGAACCGACCTGGAGACAGAATTCCTGACATAGATATCCCGATGTCTGTGGGTATAATCGATCCTA
 GGGCTAATCCAACCACTAAATACAGTGGAGTTCCTGTGGGACCCTGCAAAGAGGACATCTGTGTTTAT
 TCAGCCAAAGGTGCAGACAGAAAGCAAAAACGGATAGGGAAAAATGGAGAAACGAACACCTCATGAA
 AAGGAGAAATATCAGCCTTCCTATGAGACAACCACTACAGAGTGTTCTCCATGGCCCGAGATCACGT
 ATGTCAATAACTCCCATCACCTGGCTTCAACAGTTCCTATAGCAGTTTTTCTCTTGGGGGAGGAATGG
 TTCACCAAACCCAGCCAGAGCCACCCCTCCAGTACAGATAAACCCTTACCAACAACCACACCTCAG
 GAAGCTCAGCAGTGGTTGCATCGAAATCGTTTTTCTACATTACAAAGGCTTTTACAAACTTCTCAGGGG
 CAGATTTATTGAAATTAAGTAGAGATGATGTGATCCAAATCTGTGGCCCTGCAGATGGAATCAGACTTTT
 TAATGCATTAAGGCCGGATGGTGCCTCAAGGTTAACCATTTATGTTTGTGAGGAATCACTGCAGTTG
 AGGGAGCAGCAACAACAGCAGCAACAGCAGCAGAAGCATGAGGATGGAGACTCAAATGGTACTTTCT
 TCGTTTACCATGCTATCTATAGAAGAACTAACAGCTGTTGAATTGACAGAAAAAATGCTCAGCTTTT
 CAGCATTTCCTTCCAGATCAGCCAGATTTACAAGCAGGGCCAAACAGGAATTCATGTGCTCATCAGT
 GATGAGATGATACAGAACTTTCAGGAAGAAGCATGTTTTATTCTGGACACAATGAAAGAAACCAATGATA
 GCTATCATATCACTGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230106 representing NM_001173453
 Red=Cloning site Green=Tags(s)

MAWALKLPLADEVIESGLVQDFDASLSGIGQELGAGAYSMSDVLALPIFKQEESLPPDNENKILPFQYV
 LCAATSPAVKLHDETLTYLNQQQSYEIRMLDNRKLGELPEINGKLVKSI FRVVFHRRRLQYTEHQLEGW
 RWNRPGRDRIIDIPMSVGIIDPRANPTQLNTVEFLWDPKRTSVFIQPKGADRKQKTDREKMEKRTPE
 KEKYQPSYETTILTECSPWEITYVNNSPSPGFNSHSSFSLGEANGSPNHQPEPPPPVTDNLLPTTTPQ
 EAQQWLHRNRFSTFTRLFTNFSGADLLKLTRDDVIQICGPADGIRLFNALKGRMVRPRLTIYVCQESLQL
 REQQQQQQQQKHEDGDSNGTFFVYHAIYLEELTAVELTEKIAQLFSISPCQISQIYKQGTGIHVLIS
 DEMIQNFQEEACFILDTKMETNDSYHIILK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001173453

ORF Size: 1350 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:

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_001173453.2](#)

RefSeq Size: 3559 bp

RefSeq ORF: 1353 bp

Locus ID: 7024

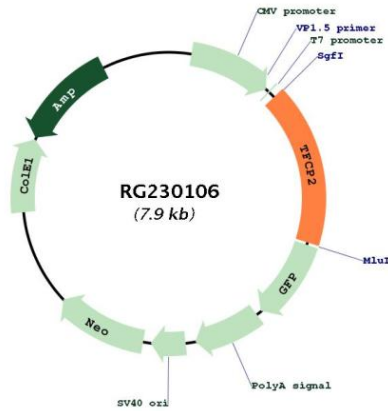
UniProt ID: [Q12800](#)

Cytogenetics: 12q13.12-q13.13

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 RG230106