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Product datasheet for RC220830

TCF20 (NM_005650) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCF20 (NM_005650) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TCF20
Synonyms:	AR1; DDVIBA; SPBP; TCF-20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC220830 representing NM_005650
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC220830 representing NM_005650
Red=Cloning site Green=Tags(s)

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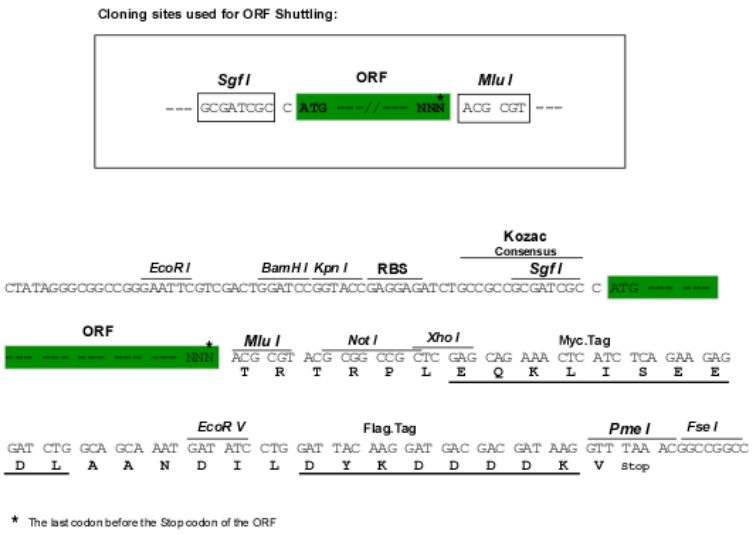
Chromatograms: https://cdn.origene.com/chromatograms/mk8041_d08.zip

Restriction Sites: SgfI-MluI

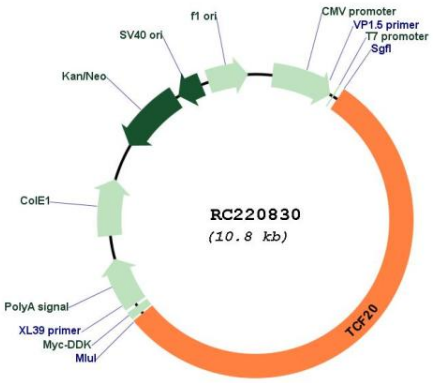
Cloning Scheme:



ACCN:	NM_005650
ORF Size:	5880 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_005650.4
RefSeq Size:	7407 bp
RefSeq ORF:	5883 bp
Locus ID:	6942

UniProt ID:	Q9UGU0
Cytogenetics:	22q13.3
Protein Families:	Druggable Genome, Transcription Factors
MW:	211.6 kDa
Gene Summary:	This gene encodes a transcription factor that recognizes the platelet-derived growth factor-responsive element in the matrix metalloproteinase 3 promoter. The encoded protein is thought to be a transcriptional coactivator, enhancing the activity of transcription factors such as JUN and SP1. Mutations in this gene are associated with autism spectrum disorders. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

Product images:



Circular map for RC220830