

Product datasheet for **MG209961**

Tcf25 (BC025071) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcf25 (BC025071) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tcf25
Synonyms:	Nulp1, mKIAA1049
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209961 representing BC025071
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGCGCCGGCCCTCCGGAGACTGAGGGGGAACAGCGCGCCAGGAACCCCTAGGGCCGACGCCT
 TGAAGTTTGTCTCCTTGATGACGATGACGCAGAGGAAGAGGGACCAAAACCGGGCTGGGTGGCCGGC
 CCCCAGGGGTGCAGGAAGGAAGGAGTCCGTGTCAACAACCGTTTGAGCTGATAAACACGGAGGATCTT
 GAGGATGACCTTGTGGTAAATGGGGAGAGATCTGACTGTACCCTGCCGACTCTGTGTCATCAGGGAACA
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 ACAGTCTAATGCAAGTGGCAAACCCGAAAGAAGAAAAGAAGCAGAAAAATAAGAAAAGCTGCACAGGA
 GAATCCTCGGAGAATGGACTAGAAGACATTGATCGCATCTTAGAGCGGATTGAGGACAGCAGTGGTTCA
 GCCACCCCGCCCTCCACTGAGCTCCAGGAAGCACGTCTATATGTGGAGCACAGACACCTGAATCC
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 CAGTGGAACTTGAGGCTGGATTATCGCAGACCTGAGAATAGGAGCTTCTACCTGACCCTCTACAAGCAG
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 CAGCTCCCGCTTGGCCAGCTGGTGTGCTGTACCTGGGGAGGTACACTTTCTTTGAAAGAACCCG
 CCATTATGAGCTGGCTAGAGGAAAATGTCCATGAGTTCTACAAGCGGTGGATGCTGGAGACCCTGCTGT
 GGAGTCTGTGAGAACAGGCGGAAAGTGTGTACCAGCGTGCGCCAGAAACATCCACCGCCACGTGATA
 CTGTCTGAGATCAAGGAGGCTGTTGCTGCCCTACCCTCGGATGTGACCACACAGTCTGTGATGGGTTTCG
 ACCCTCTGCCTCCCTGGACACCATCTACTTTACGTGAGACCAGAGAGGCTGAGTCCAGTCAGCCACGG
 AAACACAATCGCCCTCTTCTCCGGTCTTGTGCCAAATTATACCACAGAGGGGGAGAGGCTGGAGGAA
 GGAGTGGCCGGGGTCCGAACCGCAATCAAGGCTTGAACAGGCTGATGTTGGCCGTACGTGACATGATGG
 CCAACTCCACTTCAACGACCTGGAGGTGCCTCGGGAGGACAATCCTGAGGGCGAGGGGGACTGGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG209961 representing BC025071
Red=Cloning site Green=Tags(s)

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MSRRALRRLRGEQRQEPLGPDALKFVLLDDDDAEEEGPKPGLGRRPGGAGKEGVRVNNRFELINTEDL
EDDLVNGERSDCTLPDSVSSGNKGRAKHGNAETKQDGGATKAGSSEQSNASGKLRKKKKKQKNKKSCTG
ESSENGLEDIDRILERIEDSSGF SHPGPPPLSSRKHVL YVEHRHLNPDTELKRYFGARAVLGEQRPRQRQ
RVYPKCTWL TTPKSTWPRYSK PGLSMRLLESKKGLSFFAFDHNEEYQQAQHKFL VAVESMEPNNI VVLLQ
TSPYHVDLLQLSDACRFQEDQEMARDLIERALYSMECAFHPLFSLTSGTCRLDYRRPENRSFYLTLYKQ
MSFLEKRGCPRTALEYCKLILSLEPDEDPLCMLLLIDHLALRARNYEYLIRLFQWEAHRNLSQLPNFAF
SVPLAYFLLSQQTDLPEHELSSARQQASLLIQQALTMFPGVLMPLLEYCSVRPDATVSNHRFFGPD AEIS
QPPALGQLVSLYLGRSHFLWKEPAIMSWLEENVHEVLQAVDAGDPAVEVCENRRKVLVYQRAPRNIHRHVI
LSEIKEAVALPSDVTTSVMGFDPLPLDITISYVVRPERLSPVSHGNTIALFFRSLLPNYTTEGERLEE
GVAGGPNRNQGLNRLMLAVRDMANFHFNDLEVPREDNPEGEGDWD
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC025071

ORF Size: 2030 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: [BC025071](#), [AAH25071](#)

RefSeq Size: 2167 bp

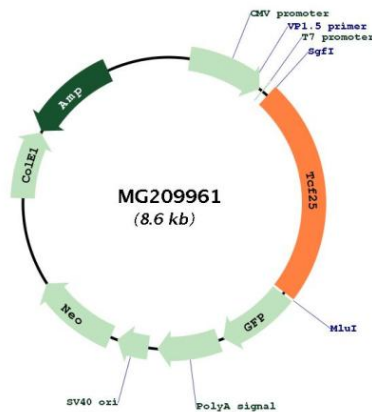
RefSeq ORF: 2030 bp

Locus ID: 66855

Cytogenetics: 8 72.1 cM

Gene Summary: May play a role in cell death control. Acts as a transcriptional repressor. Has been shown to repress transcription of SRF in vitro and so may play a role in heart development (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG209961