

## Product datasheet for **RG204078**

### Transcription factor 25 (TCF25) (NM\_014972) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Transcription factor 25 (TCF25) (NM_014972) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Transcription factor 25
Synonyms:	FKSG26; hKIAA1049; Hulp1; NULP1; PRO2620
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG204078 representing NM\_014972  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCGCGCCGGCCCTCCGGAGGCTGAGGGGGAAACAGCGCGCCAGGAGCCCTCGGGCCGGCGCCT  
 TGCATTTTCGATCTCCGTGATGACGATGACGCGGAAGAAGAAGGGCCCAAGCGGGAGCTTGGTGTCCGGCG  
 TCCCGGGGGCGCAGGGAAGGAGGGCGTCCGAGTCAACAACCGCTTCGAGCTGATAAACATTGACGATCTT  
 GAGGATGACCCTGTGGTGAACGGGGAGAGGTCTGGCTGTGCGCTCACAGACGCTGTGGCACCAGGGAACA  
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 GCAGTCTCATGCAAGTGGCAAACCCGGAAGAAGAAAAAACAAGAAAAAGCAGCAGCGGA  
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 ACGAGCCCTTACCACGTTGACTCACTCTGCAGCTCAGCGATGCCTGCCGCTTTCAAGAGGATCAGGAGA  
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 GTCTTGACAGTGTGCGGCCGACGCCAGCGTTTCCAGTACCGCTTCTTTGGACCAATGCTGAAATAAGC  
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 GGAAGCCTGTGAGAACCGCGGAAGGTGCTCTACCAGCGTGCACCAGGAATATCCACCGCCATGTGATC  
 CTCTCTGAGATCAAGGAAGCCGTCGCTGCCCTGCCCCGGACGTGACCACGCAGTCTGTGATGGGTTTG  
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 AAACACCATTTGCTCTCTTCCGGTCACTGTTGCCAACTATACCATGGAGGGGGAGAGGCCCGAGGAA  
 GGAGTGGCTGGGGTCTGAACCGCAACCAGGGCCTGAACAGGCTGATGCTGGCTGTGCGCGACATGATGG  
 CCAACTCCACCTCAACGACCTGGAGGCGCCGACGAGGACGACGCTGAGGGGGAGGGGGAGTGGGAC

**ACCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

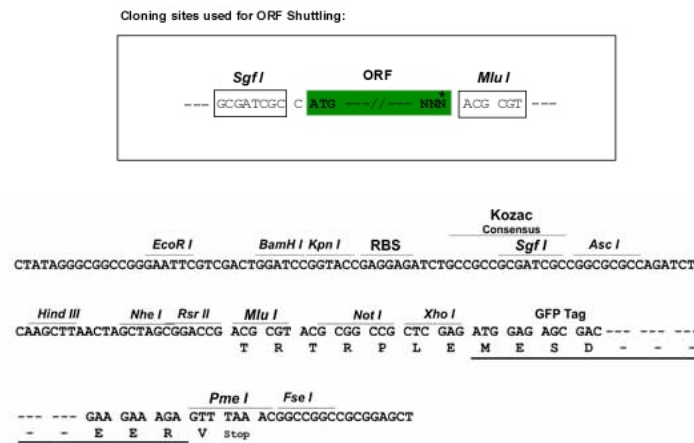
Protein Sequence: >RG204078 representing NM\_014972  
 Red=Cloning site Green=Tags(s)

```
MSRRALRRLRGEQRQEPLGPGALHFDLRDDDDAEEEGPKRELGVRRPQGAGKEGVRVNNRFELINIDDL
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EASENGLEDIDRILERIEDSTGLNRPGAPLSSRKHVLVYEHRLNPDELKRYFGARAILGEQRPRQRQ
RVYPKCTWLTTPKSTWPRYSKPGLSMRLLESKKGLSFFAFEHSEYQQAQHKFLVAVESMEPNNIIVLLQ
TSPYHVDLLQLSDACRFQEDQEMARDLVERALYSMECAFHPLFSLTSGACRLDYRRPENRSFYLAALYKQ
MSFLEKRGCPRTALEYCKLILSLEPDEDPLCMLLLIDHLALRARNYEYLIRLFQWEAHRNLSQLPNFAF
SVPLAYFLLSQQTDLPECEQSSARQKASLLIQQALTMFPGVLLPLESVSRPDASVSSHRFFGPNAEIS
QPPALSQLVNLYLGRSHFLWKEPATMSWLEENVHEVLQAVDAGDPAVEACENRRKVLVYRQAPRNIHRHVI
LSEIKEAVALPPDVTTSVMGFDPLPPSDTIYSYVRPERLSPISHGNTIALFFRSLLPNYTMGERPEE
GVAGGLNRNQGLNRLMLAVRDMANFHLNDLEAPHEDDAEGEGEWD
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_014972

ORF Size: 2028 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\\_014972.3](#)

**RefSeq Size:** 2267 bp

**RefSeq ORF:** 2031 bp

**Locus ID:** 22980

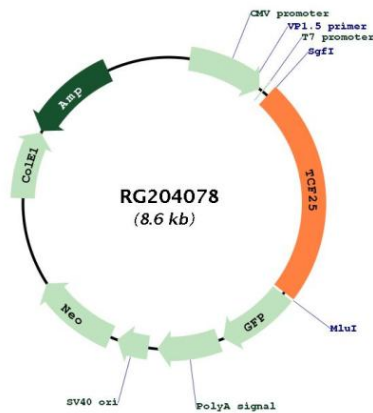
**UniProt ID:** [Q9BQ70](#)

**Cytogenetics:** 16q24.3

**Domains:** DUF654

**Gene Summary:** TCF25 is a member of the basic helix-loop-helix (bHLH) family of transcription factors that are important in embryonic development (Steen and Lindholm, 2008 [PubMed 18068114]). [supplied by OMIM, Sep 2008]

**Product images:**



Circular map for RG204078