

## Product datasheet for **RC204078A1V**

### Human Transcription factor 25 (TCF25) (NM\_014972) AAV Particle

#### Product data:

|                           |                                                                |
|---------------------------|----------------------------------------------------------------|
| Product Type:             | AAV Particles                                                  |
| Product Name:             | Human Transcription factor 25 (TCF25) (NM_014972) AAV Particle |
| Tag:                      | Myc-DDK                                                        |
| Symbol:                   | TCF25                                                          |
| Synonyms:                 | FKSG26; hKIAA1049; Hulp1; NULP1; PRO2620                       |
| Mammalian Cell Selection: | None                                                           |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                     |



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## ORF Nucleotide Sequence:

>RC204078 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGTCGCGCCGGGCCCTCCGGAGGCTGAGGGGGGAACAGCGCGGCCAGGAGCCCCTCGGGCCCGGCCCT  
TGCATTTTCGATCTCCGTGATGACGATGACGCGGAAGAAGAAGGGCCCAAGCGGGAGCTTGGTGTCGGCG  
TCCCGGGGCGCAGGGAAGGAGGGCGTCCGAGTCAACAACCGCTTCGAGCTGATAAACATTGACGATCTT  
GAGGATGACCTGTGGTGAACGGGGAGAGGTCTGGCTGTGCGCTCACAGACGCTGTGGCACCAGGGAACA  
AAGGAAGGGGTACGCTGGAACACAGAGAGCAAGACGGATGGAGATGACACCGAGACAGTGCCCTCAGA  
GCAGTCTCATGCAAGTGGCAACTCCGGAAGAAGAAAAAACAGAAAAACAAGAAAAGCAGCACGGGA  
GAAGCATCGGAAACGGACTAGAAGATATCGATCGCATCTAGAGAGGATTGAGGACAGCACTGGTTGA  
ACCGTCCCGGCCAGCTCCCCTGAGCTCCAGGAAGCACGTTCTCTACGTGGAGCACAGACACTTGAATCC  
AGACACAGAACTGAAAAGGTATTTTGGTGCCCGGGCAATCCTGGGGGAGCAAAGGCCACGGCAGAGACAA  
CGTGTGTACCCCAAGTGACATGGCTGACCACCCCTAAAAGCACCTGGCCCCGCTACAGCAAACAGGTC  
TGTCCATGCGGCTGTGGAATCAAAAAAGGCCTCTCCTTCTTTGCGTTTGAGCACAGTGAGGAGTACCA  
GCAGGCTCAGCACAAGTTCCTGGTGGCCGTGGAGTCTATGGAGCCGAACAACATCGTGGTTCTGTCTCAG  
ACGAGCCCTTACCACGTTGACTCACTCTGCAGCTCAGCGATGCCTGCCGCTTTCAGAGGATCAGGAGA  
TGGCTCGAGACCTCGTAGAGAGAGCGCTGTACAGCATGGAATGTGCGTTCCACCCCTGTTCACTCTCAC  
CAGTGGGGCTGCCGGCTGGATTACCGCAGACCCGAGAACAGGAGCTTCTACCTGGCCCTCTACAAGCAG  
ATGAGCTTCTGGAGAAGCGAGGCTGCCCGCGCACGGCGCTGGAGTACTGCAAGCTCATCCTGAGTCTCG  
AGCCGGATGAGGACCCCTCTGCATGCTGCTGCTCATCGACCACCTGGCCTTGCGGGCCCGGAACACTACA  
GTACCTGATCCGCTCTTCCAGGAGTGGGAGGCTCATCGGAACCTGTCCAGCTCCCTAATTTTGCCTTC  
TCTGTTCCACTGGCGTATTTCTGCTGAGCCAGCAGACAGACCTCCCTGAGTGTGAGCAGAGCTTGCCA  
GGCAGAAGGCCTCTCTCTGATACAGCAGGCGCTCACCATGTTCCCTGGAGTCTCCTGCCCTGCTCGA  
GTCTTGAGTGTGCGGCCGACGCCAGCGTTTCCAGTCACCGCTTCTTTGGACCAATGCTGAAATAAGC  
CAGCCCCCTGCCCTGAGCCAGCTGGTGAACCTGTACCTTGGGAGGTACACTTTCTTGGAAGAGCCCG  
CCACCATGAGCTGGCTGGAGGAGAAGTCCACGAGTTCTGCAAGCAGTGGACGCCGGGGACCCAGCCGT  
GGAAGCCTGTGAGAACCAGCGGAAGGTGCTCTACCAGCGTGCACCCAGGAATATCCACCGCCATGTGATC  
CTCTCTGAGATCAAGGAAGCCGTCGCTGCCCTGCCCGGACGTGACCACGAGTCTGTGATGGGTTTG  
ATCCTCTGCCTCCTTCGACACAATCTACTCTACGTCAGGCCAGAGAGGCTAAGTCTATCAGCCATGG  
AAACACCATTTGCTCTCTTCTCCGGTCACTGTTGCCAACTATACCATGGAGGGGGAGAGGCCCGAGGAA  
GGAGTGGCTGGGGTCTGAACCGCAACCAGGGCTGAACAGGCTGATGCTGGCTGTGCGGCACATGATGG  
CCAACCTCCACCTCAACGACCTGGAGGCGCCGACGAGGACGACGCTGAGGGGGAGGGGAGTGGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC204078 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSRRALRRLRGEQRGQEPLGPGALHFDLRDDDDAEEEGPKRELGVRRPGGAGKEGVRVNNRFELINIDDL<br/> EDDPVVNGERSGCALTDAVAPGNKGRGQRGNTESKTDGDDTETVPSEQSHASGKLRKKKKKQKNKKSSTG<br/> EASENGLEDIDRILERIEDSTGLNRPGPAPLSSRKHVLVVEHRHLNPDTELKRYFGARAILGEQRPRQRQ<br/> RVYPKCTWLTPPKSTWPRYSKPGLSMRLLESKKGLSFFAFEHSEYQQAQHKFLVAVESMEPNIVVLLQ<br/> TSPYHVDSSLQLSDACRFQEDQEMARDLVERALYSMECAFHPLFSLTSGACRLDYRRPENRSFYALALYKQ<br/> MSFLEKRGCPRTALEYCKLILSLEPDEDPLCMLLLIDHLALRARNYEYLIRLFQWEAHRNLSQLPNFAF<br/> SVPLAYFLLSQQTDLPECEQSSARQKASLLIQQALTMFPGVLLPLESCSVRPDASVSSHRFFGPNAEIS<br/> QPPALSQLVNLVYGRSHFLWKEPATMSWLEENVHEVLQAVDAGDPAVEACENRRKVL YQRAPRNIHRHVI<br/> LSEIKEAVAALPPDVTTSVMGFDPLPPSDTIYSYVRPERLSPISHGNTIALFFRSLLPNYTMGERPEE<br/> GVAGGLNRNQLNRLMLAVRDMANFHLNDLEAPHEDDAEGEGEWD</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ACCN:             | NM_014972                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ORF Size:         | 2028 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Buffer:           | PBS with 0.001% Pluronic F5523                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Stability:        | AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.                                                                                                                                                                                                                                                                                                                                                                                                   |
| RefSeq:           | <u>NM_014972.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq Size:      | 2286 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RefSeq ORF:       | 2031 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Locus ID:         | 22980                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UniProt ID:       | <u>Q9BQ70</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cytogenetics:     | 16q24.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MW:               | 76.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |