

## Product datasheet for SC302729

### DNAAF4 (NM\_001033560) Human Untagged Clone

#### Product data:

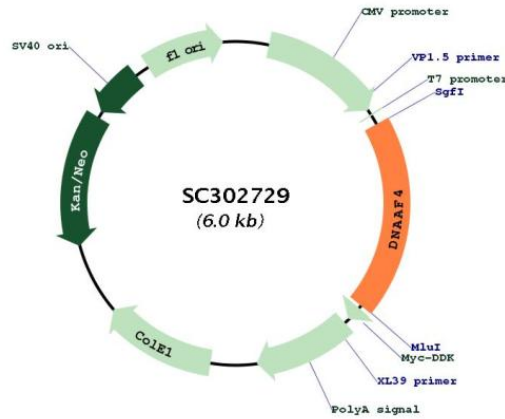
Product Type:	Expression Plasmids
Product Name:	DNAAF4 (NM_001033560) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAAF4
Synonyms:	CILD25; DYX1; DYX1C1; DYXC1; EKN1; RD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302729 representing NM_001033560. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCTCTTCAGGTTAGCGATTACAGCTGGCAGCAGACGAAGACTGCGGTCTTTCTGTCTCTGCCCTC
AAAGGCGTGTGCGTCAGAGACACGGACGTGTTCTGCACGAAAATCTGAAGGTCACTTTCTCCA
TTTTTATTTGAGGCATTTCTTTATGCTCCCATAGACGATGAGAGCAGCAAAGCAAAGATTGGGAATGAC
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GAAAAGCAAATTAAGAAGAAAAGAAAAAATAAATATAAGAGTCTTACTAGAAATTTGGCATCTAGA
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TCACAAGTAGCAGAAGAGGAGGAGTGGCTACACAAACAAGCTGAGGCACGAAGAGCAATGAATACTGAC
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ATGCCACTATTGTATTTGAACCGGCTGCTTGCCACCTAAAACTAAAACTTACACAAGGCTATTGAA
GATTTCTTAAGGAATTCTGTTCTCTTGTAGGCGATTGAATGTCAGGCCTCTGAGCCCAAGCTAAGCCAT
CATATCCCTAGTGACCTGCACGTATACATCCAGATGGCC TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001033560

**Insert Size:** 1146 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001033560.1](#)

**RefSeq Size:** 1807 bp

**RefSeq ORF:** 1146 bp

**Locus ID:** 161582

**UniProt ID:** [Q8WXU2](#)

**Cytogenetics:** 15q21.3

**MW:** 44.2 kDa

**Gene Summary:** This gene encodes a tetratricopeptide repeat domain-containing protein. The encoded protein interacts with estrogen receptors and the heat shock proteins, Hsp70 and Hsp90. An homologous protein in rat has been shown to function in neuronal migration in the developing neocortex. A chromosomal translocation involving this gene is associated with a susceptibility to developmental dyslexia. Mutations in this gene are associated with deficits in reading and spelling. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream cell cycle progression 1 (CCPG1) gene. [provided by RefSeq, Mar 2011]

Transcript Variant: This variant (3) differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (c) has a distinct and shorter C-terminus, compared to isoform a.