

## Product datasheet for **RC209029**

### **DNAAF4 (NM\_001033560) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DNAAF4 (NM_001033560) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DNAAF4
Synonyms:	CILD25; DYX1; DYX1C1; DYXC1; EKN1; RD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209029 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCTTCAGGTTAGCGATTACAGCTGGCAGCAGACGAAGACTGCGGTCTTTCTGTCTCTGCCCTCA  
AAGGCGTGTGCGTCAGAGACACGGACGTGTTCTGCACGGAAAACATCTGAAGGTCACTTTCTCCATT  
TTTATTTGAGGCATTTCTTTATGCTCCCATAGACGATGAGAGCAGCAAAGCAAAGATTGGGAATGACACC  
ATTGTCTTACCTTGTATAAAAAAGAAGCGCCATGTGGGAGACCCTTTCTGTGACGGGTGTTGACAAAG  
AGATGATGCAAAGAATTAGAGAAAAATCTATTTTACAAGCACAAGAGAGAGCAAAGAAGCTACAGAAGC  
AAAAGCTGCAGCAAAGCGGGAAGATCAAAAATACGCACTAAGTGTATGATGAAGATTGAAGAAGAAGAG  
AGGAAAAAATAGAAGATATGAAAGAAAATGAACGGATAAAAGCCACTAAAGCATTGGAAGCCTGGAAAG  
AATATCAAAGAAAAGCTGAGGAGCAAAAAAATTAGAGAGAAGAGAAATATGTCAAAAAGAAAAGCA  
AATTAAGAAGGAAGAAAAAATAAATAAAGAGTCTTACTAGAAATTTGGCATCTAGAAATCTTGCT  
CCAAAAGGAGAAATTCAGAAAATATTTACTGAGAAGTTAAAGGAAGACAGTATTCCTGCTCCTCGCT  
CTGTTGGCAGTATTAATCAACTTTACCCCTCGAGTATCCCAACAGCTCTTCGTGAATCACAAGTAGC  
AGAAGAGGAGGAGTGGCTACACAACAAGCTGAGGCACGAAGAGCAATGAATACTGACATAGCTGAACCT  
TGCGATTTAAAAGAAGAAGAAAAGAACCCAGAATGGTTGAAGGATAAAGGAAACAATTTGTTGCAACGG  
AAAATATTTGGCAGCTATCAATGCATATAATTTAGCCATAAGACTAAATAATAAGATGCCACTATTGTA  
TTTGAACCGGGCTGTTTGCCACCTAAAACCTAAAAAATACACAAGGCTATTGAAGATTCTTCTAAGGAA  
TTCTGTTCTTTGAGGCATTGAATGTCAGGCCTCTGAGCCCAAGCTAAGCCATCATATCCCTAGTGACC  
TGCACGTATACATCCAGATGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC209029 protein sequence  
Red=Cloning site Green=Tags(s)

MPLQVSDYSWQQTKTAVFLSLPLKGVCRDTRDVFCTENYLKVNFPFLFEAFLYAPIDDESSKAKIGNDT  
 IVFTLYKKEAAMWETLSVTGVDKEMMQRIREKSILQAQERAKEATEAKAAAKREDQKYALSYMMKIEEEE  
 RKKIEDMKENERIKATKALEAWKEYQRKAEQKKIQREEKLCQKEKQIKEGRKKIKYKSLTRNLASRNLA  
 PKGRNSENIFTEKLKEDSIPAPRSVGSIKINFTRPVPTALRESQVAEEEEWLHKQAEARRAMNTDIAEL  
 CDLKEEEKNPEWLKDKGNKLFATENYLAAINAYNLAIRLNNKMPLLYLNRAVCHLKLKNLHKAIEDSSKE  
 FCSLEGIECQASEPKLSHHIPSDLHVYIQMA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6354\\_h02.zip](https://cdn.origene.com/chromatograms/mk6354_h02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001033560

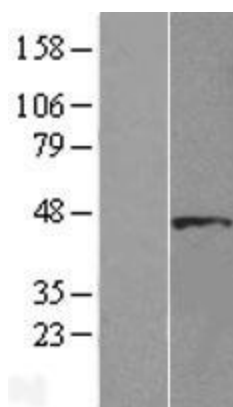
**ORF Size:** 1143 bp

**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).





Western blot validation of overexpression lysate (Cat# [LY422390]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209029 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).