

Product datasheet for **RR202348**

Dnaaf4 (NM_001007010) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnaaf4 (NM_001007010) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnaaf4
Synonyms:	Dyx1c1; Edem2; Ekn1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202348 representing NM_001007010 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCGGTGCAGTGAGCGAGTTCAGCTGGCAGCAGACACCGGCCCACTCTTCCTGTCGCTGCCTCTAC
GGGGCGTCTCGTGCCGATGCTGATGTGTTCTGTGGGAAAGTTACCTGAAGGTTAACTTCTCCATT
TTTATTTGAGGTGTTTCTATGCTCCCATAGATGATGGGAAGAGCAAAGCCAAGATTGAAATGACACG
ATTCTCTCACATTGTATAAAAAGGAGCCAGTTCTGTGGGAGAGCCTTTCTATGCCAGGCGTTGATAAAG
AGATGATGCAGAGAATAAGAGAAAAATCTATCTTGAAGCACAGGAGAAAAGCAAAAGAGGCTACAGAAGC
GAAAGCTGCTGCCAAGCGAGAAGATCAGAGATACGCCCTAGGCGAGATGATGAAGATTGAAGAGGAAGAG
AGGAAAAAATAGAAGATATGAAAGAAAATGAACGGAAAAAGCAACCAGAGAATTAGAAGCGTGGAAAG
AATGCCAAAAGAAAGCTGACGGACAAAACGAGTCCAGAGGAAGGAGAAACCGCTACAGGGAAAGCAAGC
TGAAGAGAGGGGAGCACTAAAACCTCAGAGTTTGCCCCGGAAGGCCCGCCCACTCGCTCCCAACAAGA
GGGAGGAATTGGGAAAACATATTCTCTGAGAAGTTAAAGGAAGACAGGGTCCCTGCACCTCGCTCTGCTG
GCAGCATTCAGATCAGCTTTACCCCTCGAGTGTTCCCAACCGCTCTACGGGAATCCCAAGTTGCAGAAGA
GGAAGAGTGGCTGCATAAACAAGCAGAGGCCCGGAGAGCCATGAGCACTGATCTTCCGGAATTTCTGAC
TTAAAAGAAGAAGAGAAGAAATCCAGACTGGTTGAAAGACAAGGGAACAATGTTTGAACAGAAAAT
ACTTGGCAGCGATTGACGCCTATAATTTAGCCATACGATTGAACCGTAAGATCCCAGTACTGATTTGAA
TCGGGCTGCTGCCACCTCAAGTAAAAAATTACACAAGGCCATTGAGGACTCTTCTAAGGCACTAGAA
TTATTGACACCACCTGTTGCCACAATGCCAATGCAAGAATGAAGGCACATGTCCGACGAGGGACAGCAT
TCTGCCAACTAGAATTGTATGTTGAAGGCTTGAAGATTATGAAGCTGCACCTAAGATCGACCCAGCCAA
CACAGTTGTACAGAATGATGCCGAGAAGATTCGGAATATAATTCAGGGACAACACTGAAGTCTCATGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Protein Sequence: >RR202348 representing NM_001007010
 Red=Cloning site Green=Tags(s)

MPVRVSEFSWQTPAALFLSLPLRGVCVRDADVFCGESYLKVNFPFLEFVFLYAPIDDGKSKAKIGNDT
 ILFTLYKKEPVLWESLSMPGVDKEMMQRIREKSILQAQEKAKEATEAKAAAKREDQRYALGEMMKIEEEE
 RKKIEDMKENERKKATRELEAWKECQKKADGQKRVRQEKPLQKQAEERGALKPQSLPRKAPTRLPTR
 GRNWIENIFSEKLEKDRVPAPRSAGSIQISFTPRVFPTALRESQVAEEEEWLHKQAEARRAMSTDLPEFSD
 LKEEEKNPDWLKDKGNKLFATENYLAADAYNLAIRLNRIKIPVLYLNRAACHLKLKLNHKAIEDSSKALE
 LLTPPVADNANARMKAHVRRGTAFQCLELYVEGLQDYEAALKIDPANTVVQNDAEKIRNIIQGTTLKSHD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

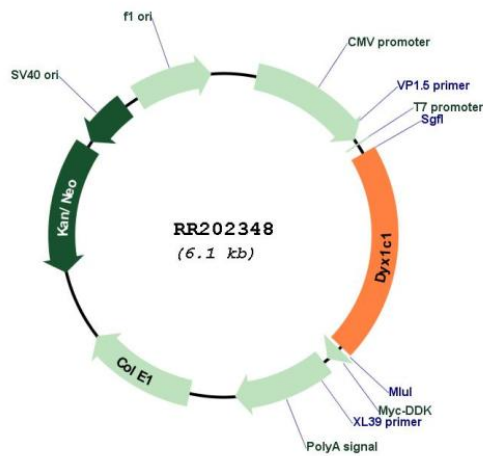
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007010

ORF Size:	1260 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:	<ol style="list-style-type: none">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_001007010.1 , NP_001007011.1
RefSeq Size:	2012 bp
RefSeq ORF:	1263 bp
Locus ID:	363096
UniProt ID:	Q5VJS5
Cytogenetics:	8q24
MW:	48.1 kDa
Gene Summary:	Involved in neuronal migration during development of the cerebral neocortex. May regulate the stability and proteasomal degradation of the estrogen receptors that play an important role in neuronal differentiation, survival and plasticity. Axonemal dynein assembly factor required for ciliary motility (By similarity).[UniProtKB/Swiss-Prot Function]