

Product datasheet for **RN205317**

Dnaaf1 (NM_001014154) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnaaf1 (NM_001014154) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dnaaf1
Synonyms:	Lrrc50; RGD1310542
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205317 representing NM_001014154
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACCCGAAGCCTCAGAGCCCGCGGTGGACAGCGCGGAGCCAGTCTGGAGGAGTCCGCAGGCG
 ATCACGGCGACGCAGGCCAGGGGTCCGCAAAGAAGAAATTAATGAGACCAAGGAAACATGTGTGGGTCC
 TTGTACAACATCCTGCCAAAGTCAGCAGCAACCGAGCGGTGACAATGGGTGAGATGGCCTCTTTACCCAC
 TCGAGAGATGACAGAGATGATCGGGGCCAGGATGACGAAGCAGTTCCTCCAAAAGCTCTGTAAGCAGC
 ACAAGCTGTACGTACCCCGGCCCTGAACGACACCCTGTATTTGCACTTTAAGGGCTTTGACCGCATTGA
 GAACCTGGAGGAGTACACGGGCTGCGCTGCCTCTGGCTGGAGTGAACGGCATCCAGAGGATCGAGAAT
 TTGCAGGCCAGAGCGAGCTGCGCTGCCTCTTCTGCAAGTGAACCTGTTGCACAAGATCGAAAACCTGG
 AGCCGCTCCAGAAGCTGGACGCCCTCAACCTGAGCAACAACCTACATCAAGACCATTGAGAACCTCTCCTG
 TCTGCCGTCTTAACACTCTGCAAATGGCCACAACCGCTGGAGACCGTGGCAGACATTGAGCACCTC
 AGGGAGTGTCTGCAACTCTGTGTCTCGACCTCTCCACAACCTCGCTGAGTGACCCCGAGATCCTGAGCG
 TGCTTGAGACCATGCCCTGTCTGCGTGTCTGAACCTGATGGGGAACCCAGTGACCAAACACATCCCTAA
 CTACCGCAGGACGGTCACTGTCCGACTGAAGCACTTGACTTATCTGGACGACAGGCCGGTTTTCCCAAG
 GACAGGGCGTGTGCAGAGGCCTGGGCCGAGGCCGGTATGCTGCCGAGAAGGAAGAGCGTACCAGTGGG
 AGAGCAGGGAACACAAGAAGATAACAGACAGCCTGGAAGCCTTGCCATGATCAAGCGCGCGGCCGAGGA
 ACGGAAGAAGGCAAGAGACAGAGGGGAGACCTCTGCCAGAGAGTGAAGAAGATATCCCACTAGCCCA
 GAGGCTCAGGAAAAGCCTCCCAAGGGGAAACCCAGCAGAAGATGGAGTCGTTTGTGAAAGAGAGCTTTG
 AGGCCAAAGATGAACTGTTTCCAGAGAAGCCAGGAGAAGGAGAGGAGCTGTCTGTGGTGGTGGGAATAG
 AGCAGTGAAGATGCAGACCTGTCCGGGAACCTGGCTCACACCCAGACACCTGTGGTGGTACCCCTGAA
 GAGGTCACATCTCCAGTGAAGCTACTGATGGGGCCAGAACGGAAGACACAGAGGCCATTGCCCTGGAGA
 CCAAGGAGAAGCTTTTTCATCGATGACCTGCCTGACTTGAAGATGTTGATGGTACAGATGTGTCTGTGGA
 AGACCAGACAAAGGACACAGGCATCCGGAATCCAGGCCATCTCCAGCTTGAGTGACGACAGTGACCTG
 GAGCTGGAGGAGTGCCTCTCCGTGTTGAGGGCACTCCATAAGCCACAGGCGCCCTCTCACACA
 TATTTGCGGTCTCAAAGACCCCTCAGAGGCAGCCAGGGTGCCTTTCGACAGACATATGTATGCCAACAGC
 AACACAGACTTAGAAACTCAAAGTCAAGACCCAGCACAGCATCTTACACCCCTCATCCAGGAGCTC
 GGAGAGGATGAGCTGACAGAGGAGAGTCAAACCAGCCACTGCCACCCAAAGCTGTGCAAGTGACCCCA
 CACTTGCCAGTCTAGTGAAGGTGGAGACAGTCAAGTGCCTGCAGCCACTCCACTAGGAGATGGAGCTGA
 GAATGAAGCACAGTCTTGTGTACCCAGAGGAGCCAGCACCCGGATAGGCCTGGAAGATATTGAATTT
 GGCTTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001014154

Insert Size: 1902 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).

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_001014154.1](#), [NP_001014176.1](#)

RefSeq Size: 2204 bp

RefSeq ORF: 1902 bp

Locus ID: 361419

UniProt ID: [Q6AYH9](#)

Cytogenetics: 19q12

Gene Summary: Cilium-specific protein required for the stability of the ciliary architecture. Plays a role in cytoplasmic preassembly of dynein arms (By similarity). Involved in regulation of microtubule-based cilia and actin-based brush border microvilli (By similarity).[UniProtKB/Swiss-Prot Function]