

Product datasheet for **MC222102**

Dnaaf5 (NM_001081265) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnaaf5 (NM_001081265) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dnaaf5
Synonyms:	BC053401; C76907; Heatr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222102 representing NM_001081265
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCGCCGGCGGAGGCGGAGGTGGCCGCGGCCCGGGCTTAACCGAGGCGGCTGAAGCCGCGGAAC
 TGACCCGCGCGCTAAGCCGCCTGCTACCGGGCTGGAGACGGAAGTAAGCTGGGGCGGCGCGCTCT
 GGAGGCTCTGGAGCAGGTAAGAGAGCGGTGCGGCCCGCGCGGATTCCGCGGCCTCCAGGGCCCC
 TGGGCCGCTGCTGCTGCCGCGCTGCTGCGGCTTCTAAGCGATCCGGCCGAGGGCTGCCGCGCTGG
 CCGCTCACCTGCTCGACCTTGGCTGCGCCGCGCCGCGGCCCGCGACGCTCTGCCGCTGCTGCTGCC
 GCGCTCAGCGCACGCTGGCCGACCTGAACTCGCGCGCCGCCCGGAGCCCTGCGAGGAGCTGCGT
 CTGCCCCGTCGAGCTGCTCCACCTCGCCGTAGACCTGGGCGGCGCCGCTCGCGCCCCACCTGGACG
 ACGCCGTGCGCGCTTGGGGCCGCGCTGCTCGACCCCTTCGCTGCGGTGCGCCGGGAGGGCTGCGAGTG
 CGCAGCCGCTCTGGCCGTCGACTCCGGAGCACTTCCACATGCAATCGGAGTCTTGATAGGCCCCCTG
 ATGCAGACCATCTCCACCAAGCACTGGAAGTCCGGGTAGCCGTTATCGAAGCCACGGGCACTGTGATCC
 AGTTTGGCAGTGGAACTCGGTGGATGATGTCCTTTCCACTTTGCTCAAAGACTCTTCGATGACGTCCC
 TCAGGTCGGCAGGCAGTGACCTCGGTGGTCGGGGATGGCTGCTGAATCTCCGGGACCGCTACTCCTTC
 CTACACAAGCTCACCCCACTGCTGCTCAGCAGCTTCAAGTGAATGCCTGAGATCCGGCAGACAGCCA
 CCAGCCTATGGGAGAAGTGGGCTGCAAGTGGCAGCAGGAGAACGAGGCAGATCTAAAGGACAAGCTGGA
 CTTGCTTACCTCCTCCTCCAACTACCTGAGCAGAGAGCCGCCCTGGCCTGGGTGCCGAGAGCTG
 GTCTTCAAGAACCTCTCAAGGTGCTTCTGCCATCTGTATGATATCACCGACTGGTGGTGGGACGC
 GGGTGAAGGCAGCACAGCTGCTGCCGTGCTGCTGCAAGCAGAGGACCACATCACCCAGGAGTGGATGGA
 GATCGTCTCAGAACCTGCATCAGGCCTGCACCGATGAAGAGAAGGCTGTGGTCGGCAGTTGCATAAGA
 GCCGACAGCTCATTGGACCTTTGTCAGCCAGAAATTTCTGAAACTGATCTTAGCCATGCTGAAGA
 AAGCACCTCTGCCTCTGGCCTTGTATCCTCGCTTGTGTCATCCGGGGCTGCCCGGAAATGCCCTCCA
 GCCACAGCTCACAGTCATAGCCACAGAGCTGGCCAGGAGCACATCTGCCAGGGGTGAGAATAATCTC
 TACCTGGAGCATCTGCTGCTGTGTGTCAGGCCCTGCTGTCTGTATGTCAGGAAGACTGTCGAGTGCCA
 GCCTGCAGTTCCTGGAGGTGCTGGTGAATAATGGCAGTCTCAGATGCCGTGGGTCTTGAGAAGAAGGC
 CCAGAAGACCATGGACACACTGGCTGAGGTGGAGGATATCCCAGCAGTCAGGACCTCTACCGCAAGCAT
 GTGGGTGCACTCCTGGAGCGGCTGACAGCCTCGCATGGCGAGTGGCAGTGCACCTGTGTCAGTTGCTGA
 AGTTCACTGTGCTCCTACCCAGGACGGCCGGCTGTGGGAGAAGCGCTGCAGCATGTGATCCCCACCT
 CAGGGCCTGTCTCCAGCCCTCCACAGACCCACACATGCGCCTGAAGCTTCTCTATCCTGTCCATGATG
 CTGCTGAGGCCTAAGGACACTGTCGATTCTCAGGGACAGTTCCGTGGCTATTTGGATATGTAATAAATG
 ACATCCTAGCCCCAACCTGCAGTGGCATGCAGGGAGGACAGCTGCAGCCATCCGGACGGCTGCTATATC
 CTGCTGTGGCACTCATCAGCAGTGCATCTTATCGGCAAGCAGGTGCAAGAGGCACAAGAGACCCTG
 ATGCCACAAGTGTGGCTACGCTGGAGGACGACTCCCAGACCACGCTGATGTCCTGCCGCATCATCA
 ACATGTTCTCAAGAATTCAGGGACACCATGGAGCCAGAGAAATTCCTCAAGGTCTATCCTGAGCTCTT
 GAAGCGCCTAGATGATGCTCCAATGATGTGAGGATGGCAGCTGCTTCTGCCTTGTGCTCACCTGGCTCAAG
 TGCATCGAGAGCTTGGATGGGAAGTCCGCCTATCAGAGCAGCGTTCAAGTTCCTGTACCGGAGCTGCTGG
 TCCACCTGGATGACCCAGAGAGTGCATTCAAGACACCGTCTAGAACTCCTCAAGGAGGCAGCGTCTCT
 GTTCCAGATGTGCTGGTGGGGAGACGGAGGCTGTCGTCACAAAACCCGCTCAGCTACCTACTGCGAG
 CAGCTGCTGCAGCACATGCAGACCATGGCCGCTGCTCG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001081265
Insert Size: 2562 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:	<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:	<u>NM_001081265.1</u> , <u>NP_001074734.1</u>
RefSeq Size:	3445 bp
RefSeq ORF:	2562 bp
Locus ID:	433956
UniProt ID:	<u>B9EJR8</u>
Cytogenetics:	5 G2
Gene Summary:	Cytoplasmic protein involved in the delivery of the dynein machinery to the motile cilium. It is required for the assembly of the axonemal dynein inner and outer arms, two structures attached to the peripheral outer doublet A microtubule of the axoneme, that play a crucial role in cilium motility.[UniProtKB/Swiss-Prot Function]