

Product datasheet for **RG216504**

CABYR (NM_153768) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CABYR (NM_153768) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CABYR
Synonyms:	CABYRa; CABYRc; CABYRc/d; CABYRe; CBP86; CT88; FSP-2; FSP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG216504 representing NM_153768
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTTCTTCAAAGCCAGACTTGTCTGACCCCTATGGCCTCAAGACTCTGCTCGAGGGAATTAGCAGAG
 CTGTTCTCAAAACCAACCCATCAAACATCAACCAGTTTGCAGCAGCTTATTTTCAAGAACTACTATGTA
 TAGAGTAGAGAAATGGTCAAGGAACGACACCACAGAAGAAATTAGAATGTTTAAAAAGAACAGGAAAA
 ACATCTGTAGAATCTAAAGTACCTACCCAGATGGAAAACTACAGACACAGACGAGGACAATGTAACCA
 GAACAGAAATAGTGACAAAACCCAGTTTCCATCAGTTTATGCTGTGCCAGGCACTGAGCAAACGGA
 AGCAGTTGGTGGTCTTTCTTCAAACCAGCCACCCTAAGACTACTACCCACCCTCATCACCACCTCCA
 ACAGCTGTCTACCAGAGTTTGCCTACGTCACGCTGACCCAGCTCAGCTTGCTGCTCAGATGTTAGGTA
 AAGTTTCACTATTCTTCTGATCAATCTGATGTGTTAATGGTGGATGTGGCAACAGTATGCCTGTTGT
 TATCAAGGAGGTCCAAGCTCAGAGGCTGCTGAAGATGTCATGGTGGCTGCTCCTTTGTGTGTTCTGGA
 AAGGTGCTAGAAGTGCAGGTTGTGAACCAACATCTGTCCATGTAGATTTGGGTTCTCAACCTAAAGAAA
 ATGAGGCTGAACCATCAACGGCTTCTCAGTCCCCTTGCAGGATGAACAAGAACCTCCTGCTTATGATCA
 AGCTCCTGAGGCACTTTGCAGGCTGATTTGAGGTTATGTCAACTGTTTATATCATCTGTCTATAAC
 GATGTGCTGTGACTGAAGGAGTTGTTTATATCGAGCAACTGCCAGAACAATAGTTATCCCTTTTACTG
 ATCAAGTTGCTTGTCTTAAAGAAAATGAGCAGTCAAAAGAAAATGAGCAGTCACCACGAGTTAGTCCCAA
 ATCTGTAGTAGAAAAGACCACCTCTGGCATGTCTAAAAATCTGTAGAGTCTGTAAAATGACACAGTTG
 GAGGAGAATGCAAAATATCTCAGTATATATGGAGGCAGAAGCAACAGCTCTGCTCTGACACATCTT
 TGAAGGTCAGCCTGAGGTACCTGCACAACCTCTGGATGCAGAAGTGCTATCAAAATAGGCTCTGAAAA
 ATCTCTGCACCTTGAAGTGGAGATCACTTCAATAGTCTCTGACAATACTGGGCAGGAGGAGTCTGGGGAA
 AACTCTGTACCCAGGAGATGGAAGGCAAACTGTGCTCTCTGGGGAAGCTGCAGAGCAGTGCACCTCAG
 GTACATCTGTAAAGTCATCTAGTGGCCCTTCCCTCCTGCTCCAGAAGGCCTTACTGCACCAGAAATTGA
 ACCAGAAGGGGAATCAACAGCTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG216504 representing NM_153768
 Red=Cloning site Green=Tags(s)

MISSKPRLVVVPYGLKTLLEGISRAVLKTNPSNINQFAAAYFQEL TMYRVEKWSEGTTTPQKLECLKKEPGK
 TSVESKVPTQMEKSTDTDEDNVRTEYSKTTQFPSVYAVPGTEQTEAVGGLSSKPATPKTTTPSSPPP
 TAVSPEFAYVPADPAQLAAQMLGKVSSIHSDQSDVLMVDVATSMPPVVIKEVPSSEAAEDVMVAAPLVCSG
 KVLEVQVVNQTSVHVDLGSQPKENEAEPTASSVPLQDEQEPPAYDQAPEVTLQADIEVMSTVHISSVYN
 DVPVTEGVVYIEQLPEQIVIPFTDQVACLKENEQSKENEQSPRVSPKSVVEKTTSGMSKKSVESVKLAQL
 EENAKYSSVYMEAEATALLSDTSLKGQPEVPAQLLLDAEGAIAKIGSEKSLHLEVEITSIVSDNTGQEEESG
 NSVPQEMEGKPVLSGEAAEAVHSGTSVKSSSGPFPFAPEGLTAPEIEPEGESTAE

TRTRPLE - GFP Tag - V

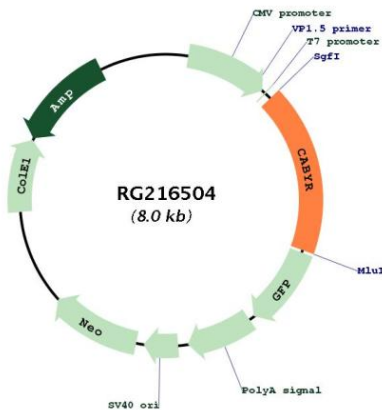
Restriction Sites:

Sgfl-MluI

Cytogenetics: 18q11.2

Gene Summary: To reach fertilization competence, spermatozoa undergo a series of morphological and molecular maturational processes, termed capacitation, involving protein tyrosine phosphorylation and increased intracellular calcium. The protein encoded by this gene localizes to the principal piece of the sperm flagellum in association with the fibrous sheath and exhibits calcium-binding when phosphorylated during capacitation. A pseudogene on chromosome 3 has been identified for this gene. Alternatively spliced transcript variants encoding distinct protein isoforms have been found for this gene. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RG216504