

Product datasheet for **SC323752**

CABYR (NM_153769) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CABYR (NM_153769) Human Untagged Clone
Tag:	Tag Free
Symbol:	CABYR
Synonyms:	CABYRa; CABYRc; CABYRc/d; CABYRe; CBP86; CT88; FSP-2; FSP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_153769.1
 TGCGGAGCTTCGTGATGCACGCCCGATGCCTGCGGGCTATAAAAACGCTCGAAGCCG
 CAAGTCTCCTCAGGAGCCCGCGCAAGGGGCAACGAGGAAGCTCTTAAGAGCGCGCCG
 GAAAGCAGTTGAGTTACAGACATCCTGCCAAAATGATTTCTTCAAAGCCAGACTTGTCCG
 TACCCTATGGCCTCAAGACTCTGCTCGAGGGAATTAGCAGAGCTGTTCTCAAAACCAACC
 CATCAAACATCAACCAGTTTGCAGCAGCTATTTTTCAAGAACTTACTATGTATAGAGGGA
 ATACTACTATGGATATAAAAGATCTGGTTAAACAATTTTCATCAGATTAAGTAGAGAAAT
 GGTCAGAAGAACGACACCACAGAAGAAATAGAATGTTTAAAAGAACCAGGAAAAACAT
 CTGTAGAATCTAAAGTACCTACCCAGATGGAAAAATCTACAGACACAGACGAGGACAATG
 TAACCAGAACAGAATATAGTGACAAAACCCAGTTTCCATCAGTTTATGCTGTGCCAG
 GCACTGAGCAAACGGAAGCAGTTGGTGGTCTTTCTTCAAACCAGCCACCCTAAGACTA
 CTACCCACCCCTCATCACCACCTCCAACAGCTGTCTACCAGAGTTTGCCTACGTCCCAG
 CTGACCCAGCTCAGCTTGTCTCAGATGTTAGCAATGGCAACAAGTGAACGAGGACAAC
 CACCACCATGTTCTAACATGTGGACCCTTTATTGTCTAACTGATAAGAATCAACAAGGTC
 ACCCATCACCGCCACCTGCACCTGGGCCTTTTCCCAAGCAACCTCTATTTACCTAATC
 CTAAAGGATCCACAGTTTTCAGCAGCATCCACAAAAGTCACTTTTCCAACCTATGTGATGG
 GCGACACCAAGAAGACCAGTGCCCCACCTTTTATCTTAGTAGGCTCAAATGTTTCAGGAAG
 CACAGGGATGGAACCTTTCCCGGACATGCTGCTGTTTACAGTCAGATGTCTTGAGAT
 ATGTTGCAATGCAAGTGCCCATTTGCTGTTCTGCAGATGAGAAATACCAGAAACATACCC
 TAAGTCCCAGAAATGCTAATCCTCCAAGTGGACAAGATGTCCCCAGGCCAAAAGCCCTG
 TTTTCTTTCTGTTGCTTTCCAGTAGAAGATGTAGCTAAAAAAGTTTCAGGATCTGGTG
 ACAAATGTGCTCCCTTTGGAAGTTACGGTATTGCTGGGAGGTAACCGTGACTACTGCTC
 ACAAACGTGCAAAAGCAGAAACTGAAAACCTGATCCAGAAATGACGCTGTCTGGGTCAACA
 TTTTCAGGGAGGAGTCTGCCACCAGTGAATGTATCAATAAACTTCATGCAAGCATAAAAA
 AAAAAAAAAA

Restriction Sites: ECoRI-NOT



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ACCN:	NM_153769
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_153769.1 , NP_722453.1
RefSeq Size:	1390 bp
RefSeq ORF:	1140 bp
Locus ID:	26256
UniProt ID:	O75952
Cytogenetics:	18q11.2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (7) has an alternate splice site in the coding region, which results in a downstream translation stop codon, compared to variant 1. The encoded isoform (c) is shorter and has a distinct C-terminus, compared to isoform a. Variants 3 and 7 encode the same isoform c.</p>