

## Product datasheet for **RG205415**

### ACRBP (NM\_032489) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ACRBP (NM_032489) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ACRBP
Synonyms:	CT23; OY-TES-1; SP32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG205415 representing NM\_032489  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGGAAGCCAGCCGCTGGCTTCTTCCCTCACTCCTGAAGGTGCTGCTCCTGCCTCTGGCACCTGCCG  
 CAGCCCAGGATTCGACTCAGGCCTCCACTCCAGGCAGCCCTCTCTCCTACCGAATACGAACGCTTCTT  
 CGCACTGCTGACTCCAACCTGGAAGGCAGAGACTACCTGCCGTCTCCGTGCAACCCACGGCTGCCGGAAT  
 CCCACACTCGTCCAGCTGGACCAATATGAAAACCACGGCTTAGTGCCCGATGGTGTCTGTCTCCAACC  
 TCCCTTATGCCTCCTGGTTTGTGCTTTCTGCCAGTTCCTCACTACCGTTGCTCCAACCAGTCTACTA  
 TGCCAAGAGAGTCTGTGTTCCAGCCAGTCTCTATTCTCTCACCTAACACTCTCAAGGAGATAGAAGCT  
 TCAGTGAAGTCTACCCACCACGATGACCTCCCCATCTACCCCACTTACAGTGACAGAACGCCAGA  
 CCTTCCAGCCCTGGCCTGAGAGGCTCAGCAACAACGTGGAAGAGCTCCTACAATCCTCCTGTCCCTGGG  
 AGGCCAGGAGCAAGCGCCAGAGCAAGCAGGAGCAAGGAGTGGAGCACAGGCAGGAGCCGACACAAGAA  
 CACAAGCAGGAAGAGGGGCAGAAACAGGAAGAGCAAGAAGAGGAACAGGAAGAGGAGGGAAAGCAGGAAG  
 AAGGACAGGGGACTAAGGAGGGACGGGAGGCTGTGTCTCAGCTGCAGACAGACTCAGAGCCCAAGTTTCA  
 CTCTGAATCTCTATTCTAACCCTTCTCTTTTGTCCCGGTCAGAGAAGTAGAGTCTACTCCTATG  
 ATAATGGAGAACATCCAGGAGCTCATTGATCAGCCCAGGAAATAGATGAAATGAATGAAATATATGATG  
 AGAACTCTACTGGAGAAACCAAAACCTGGCAGCCTCCTGCAGCTGCCCCACACAGAGGCCCTGTGCTGT  
 GCTGTGCTATTCGATCGTGGAGAATACCTGCATCATAACCCACAGCCAAGGCCGGAAGTACATGGAG  
 GAGGAGATCCTTGGTTTCGGGAAGTCGGTCTGTGACAGCCTTGGGCGGACACATGTCTACCTGTGCC  
 TCTGTGACTTCTGCTCCTTGAAGCTGGAGCAGTGCCACTCAGAGGCCAGCCTGCAGCGGCAACAATGCGA  
 CACTCCCAAGACTCCCTTTGTGAGCCCTTGTCTGCCCTCCAGAGCCTGTCCATCGGCAACAGGTA  
 GGGTCCCAAGAAATCAGGCCGCTTTTACGGGCTGGATTTGTACGGTGGGCTCCACATGGACTTCTGGTGTG  
 CCCGGCTTCCACGAAAGGCTGTGAAGATGTCCGAGTCTCTGGGTGGCTCCAGACTGAGTTCCTTAGCTT  
 CCAGGATGGGGATTTCCCTACCAAGATTTGTGACACAGACTATATCCAGTACCCAACTACTGTTCTTTC  
 AAAAGCCAGCAGTGTCTGATGAGAAACCGCAATCGGAAGGTGCCCGCATGAGATGTCTGCAGAATGAGA  
 CTTACAGTGCCTGAGCCCTGGCAAAAGTGAAGACGTTGTCTCGATGGAGCCAGGAGTTCAGCACCTT  
 GACTCTAGGCCAGTTCGGA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG205415 representing NM\_032489  
 Red=Cloning site Green=Tags(s)

MRKPAAGFLPSLLKVLVLLPLAPAAAQDSTQASTPGSPLSPTEYERFFALLTPTWKAETTCRLRATHGCRN  
 PTLVQLDQYENHGLVPDGA VCSNLPYASWFESFCQFTHYRCSNHVYAKRVLCSQPVSILSPNTLKEIEA  
 SAEVSPPTMTSPISPHFTVTERQTFQPWPERLSNNVEELLQSSLSLGGQEQAPEHKQEQQVEHRQEPTQE  
 HKQEQQKQEEQEEQEEEGKQEEGQGTKEGREAVSQLQTDSEPKFHSESLSSNPSSFAPRVREVESTPM  
 IMENIQELIRSAQEIDEMNEIYDENSYWRNQNPGSLLQLPHTEALLVLCYSIVENTCIITPTAKAWKYM  
 EEILGFGKSVCDLGRHMSTCALCDFCSLKLEQCHSEASLQRQQCDTSHKTPFVSPLLASQSLSIGNQV  
 GSPESGRFYGLDLYGGLHMDFWCARLATKGCEDVRVSGWLQTEFLSFQDGFPTKICD TDYIQYPNYCSF  
 KSQQLMRNRNRKYSRMRLQNETYSALSPGKSEDEVVLRWSQEFSTLTLGQFG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_032489

**ORF Size:** 1629 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:**
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\\_032489.3](#)

**RefSeq Size:** 1886 bp

**RefSeq ORF:** 1632 bp

**Locus ID:** 84519

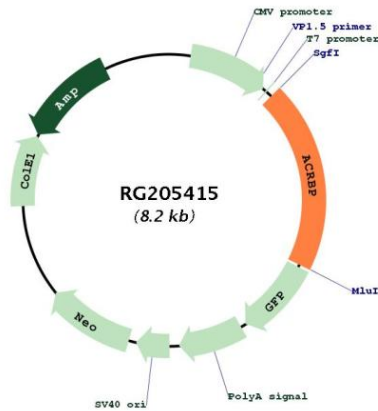
**UniProt ID:** [Q8NEB7](#)

**Cytogenetics:** 12p13.31

**Protein Families:** Secreted Protein

**Gene Summary:** The protein encoded by this gene is similar to proacrosin binding protein sp32 precursor found in mouse, guinea pig, and pig. This protein is located in the sperm acrosome and is thought to function as a binding protein to proacrosin for packaging and condensation of the acrosin zymogen in the acrosomal matrix. This protein is a member of the cancer/testis family of antigens and it is found to be immunogenic. In normal tissues, this mRNA is expressed only in testis, whereas it is detected in a range of different tumor types such as bladder, breast, lung, liver, and colon. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG205415