

Product datasheet for **RG207930**

BCAR3 (NM_003567) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BCAR3 (NM_003567) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BCAR3
Synonyms:	AND-34; MIG7; NSP2; SH2D3B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207930 representing NM_003567
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGCAGGAAAATTTGCAAGCCTTCCAGAAACATGCCGGTGAATCACCAGTTCCTCCCTGGCCTCAT
 CCATGGACCTTCTGAGCAGCAGGTCCTCCTCGCTGAGCATCGCCAGATGCCTATCAAGATGTGTCTAT
 ACATGGCACCTTCCACGGAAGAAAAAGGTCTCTCCATAAGGTCTGTGATGACTTCAGTCACATG
 GGCACCTCCCCACTCCAAATCCCACGGCAGAACTCGCTGTGACCCAGGATGGCATCCAGGAGAGCC
 CATGGCAGGACCGGCACGGCGAAACCTTACCTTCAGGGATCCACATCTTCTGGACCCAACGTGGAATA
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 GAGCTGCTCTGAGCAGCAGGACCTGCGCAGCCATGCCTGGTACCACGGCCGCATCCCCGACAGGTGT
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 GATGAAGAAAATGAATGAAATCTGCAAGACTGAATTTCAAATGCGATTGCTATGGGGCAGCAAAGGTGCAC
 AAGTCAATCAGACAGAGAGATATGAGAAATTAACCCAGATTTTAACTGCCCTCTCGCTAAATTGGAACC
 TCCTCCTGTAAGCAGGCAGAGCTT

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207930 representing NM_003567
 Red=Cloning site Green=Tags(s)

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MAAGKFASLPRNMPVNHQFPLASSMDLLSSRSPLAEHRPDAYQDVSIHGTLPRKKKGPPPIRSCDDFSHM
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AYSRVQYQFEMESFDSIPGLVRCYVGNRRRPIISQSGAIIIFQPINRTVPLRCL EEHYGTSPGQAREGSLTK
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DEEMNEICKTEFQMRLWGSKGAQVNQTERYEKFNQILTALSRKLEPPPVKQAE
  
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

- 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_003567.4](#)

RefSeq Size: 3184 bp

RefSeq ORF: 2478 bp

Locus ID: 8412

UniProt ID: [O75815](#)

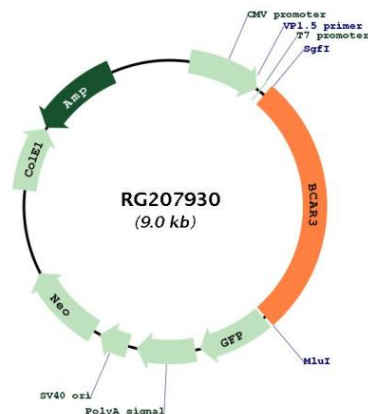
Cytogenetics: 1p22.1

Domains: SH2, RasGEF

Protein Families: Druggable Genome

Gene Summary: Breast tumors are initially dependent on estrogens for growth and progression and can be inhibited by anti-estrogens such as tamoxifen. However, breast cancers progress to become anti-estrogen resistant. Breast cancer anti-estrogen resistance gene 3 was identified in the search for genes involved in the development of estrogen resistance. The gene encodes a component of intracellular signal transduction that causes estrogen-independent proliferation in human breast cancer cells. The protein contains a putative src homology 2 (SH2) domain, a hall mark of cellular tyrosine kinase signaling molecules, and is partly homologous to the cell division cycle protein CDC48. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012]

Product images:



Circular map for RG207930