

Recombinant Full Length Human BCAR3 Protein, C-Flag-tagged

Cat. No. BCAR3-1759HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human BCAR3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	92.4 kDa
AA Sequence	MAAGKFASLPRNMPVNHQFPLASSMDLLSSRSPLAEHRPDAYQDVSIHGTLPRKKK GPPPIRSCDDFSHM GTLPHSKSPRQNSPVTQDGIQESPWQDRHGGETFTFRDPHLL

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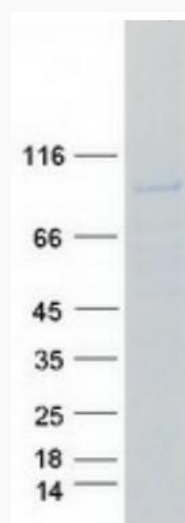
 45-1 Ramsey Road, Shirley, NY 11967, USA

DPTVEYVKFSKERHIMDRTPPEKLKKELEE ELLSSDLRSHAWYHGRIPRQVSENLV
 QRDGDFLVRDSLSSPGNFVLTQCQWKNLAQHFKINRTVLRLE AYSRVQYQFEMES
 FDSIPGLVRCYVGNRRPISQQSGAIFQPINRTVPLRCLEEHYGTSPGQAREGSLTK
 GRPDVAKRLSLTMGGVQAREQNLPRGNLLRNKEKSGSQPACLDHMQDRRALSLSKA
 HQSESYLPIGCKLPP QSSGVDTSPPNSPVFRTGSEPALSPAVVRRVSSDARAGEA
 LRGSDSQLCPKPPPKPCKVPFLKVPSSPS AWLNSEANYCELNPAFATGCGRGAKL
 PSCAQGSHTELLTAKQNEAPGPRNSGVNYLILDDDDRERPWEPA AAQMEKGQWD
 KGEFVTPLLETVSSFRPNEFESKFLPPENKPLETAMLKRAKELFTNNDPKVIAQHVLS
 MD CRVARILGVSEEMRRNMGVSSGLELITLPHGHQLRLDIIRHNTMAIGIAVDILGC
 TGTLEDRAATLSKI IQVAVELKDSMGDLYSFSALMKALEMPQITRLEKTWTALRHQY
 TQTAILYEKQLKPFSKLLHEGRESTCV PPNNVSVPLLMPLVTLMERQAVTFEGTDM
 WEKNDQSCEIMLNHLATARFMAEAADSYRMNAERILAGFQP
 DEEMNEICKTEFQMRLWWSKGAQVNQTERYEFNQILTALSRKLEPPPVKQAELT
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	BCAR3 BCAR3 adaptor protein, NSP family member [Homo sapiens (human)]
Official Symbol	BCAR3
Synonyms	MIG7; NSP2; AND-34; SH2D3B
Gene ID	8412
mRNA Refseq	NM_003567.4
Protein Refseq	NP_003558.1
MIM	604704
UniProt ID	O75815



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Coomassie blue staining of purified BCAR3 protein.

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