

# Recombinant Human BCAR3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BCAR3-5165H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	BCAR3 MS Standard C13 and N15-labeled recombinant protein (NP_003558) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	92.6 kDa
<b>AA Sequence</b>	MAAGKFASLPRNMPVNHQFPLASSMDLLSSRSPLAEHRPDAYQDVSIHGTLPRKKK GPPPIRSCDDDFSHMGTLPHSKSPRQNSPVTQDGIQESPWQDRHGETFTFRDPHLL DPTVEYVKFSKERHIMDRTPPEKLLKELEEELLSSDLRSHAWYHGRIPRQVSENLV

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QRDGDFLVRDSLSSPGNFVLTTCQWKNLAQHFKINRTVLRRLSEAYSRVQYQFEMESF  
DSIPGLVRCYVGNRRPISQQSGAIIFQPINRTVPLRCLEEHYGTSPGQAREGSLTKGR  
PDVAKRLSLTMGGVQAREQNLPRGNLLRNKEKSGSQPACLDHMQDRRALSLSKAHQ  
SESYLPIGCKLPPQSSGVDTSPCPNPVPFRTGSEPALSPAIVRRVSSDARAGEALR  
GSDSQLCPKPPPCKVPFLKVPSSPSAWLNSEANYCELNPAFATGCGRGAKLPSC  
AQQSHTELLTAKQNEAPGPRNSGVNYLILDDDDRRERPWEPEAAQMEKGQWDKGE  
FVTPLLETVSSFRPNEFESKFLPPENKPLETAMLKRAKELFTNNDPKVIAQHVLSMDC  
RVARILGVSEEMRRNMGVSSGLELITLPHGHQLRLDIIERHNTMAIGIAVDILGCTGTL  
EDRAATLSKIIQVAVELKDSMGDLYSFSALMKALEMPQITRLEKTWTALRHQYTQTAI  
LYEKQLKPFKLLHEGRESTCVPPNNVSVPLLMPLVTLMERQAVTFEGTDMWEKND  
QSCEIMLNHLATARFMAEAADSYRMNAERILAGFQPDEEMNEICKTEFQMROLLWGS  
KGAQVNQTERYEKFNQILTALSRKLEPPPVKQAELTRTRPLEQKLISEEDLAANDILD  
YKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** BCAR3 breast cancer anti-estrogen resistance 3 [ Homo sapiens (human) ]

**Official Symbol** BCAR3

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**Synonyms** BCAR3; breast cancer anti-estrogen resistance 3; breast cancer anti-estrogen resistance protein 3; NSP2; SH2D3B; novel SH2-containing protein 2; SH2 domain-containing protein 3B; dJ1033H22.2 (breast cancer anti-estrogen resistance 3); KIAA0554;

**Gene ID** [8412](#)

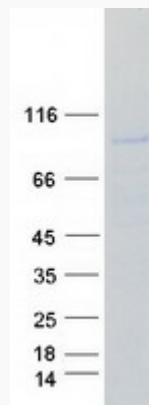
**mRNA Refseq** [NM\\_003567](#)

**Protein Refseq** [NP\\_003558](#)

**MIM** [604704](#)

**UniProt ID** [O75815](#)

**SDS-PAGE**



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