

Product datasheet for PH307930

BCAR3 (NM_003567) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BCAR3 MS Standard C13 and N15-labeled recombinant protein (NP_003558)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207930
Predicted MW:	92.6 kDa
Protein Sequence:	>RC207930 protein sequence Red=Cloning site Green=Tags(s)

MAAGKFASLPRNMPVNHQFPLASSMDLLSSRSPLAEHRPDAYQDVSIHGTLPRKKKGPPIRSCDDFSHM
GTLPHSKSPRQNSPVTQDGIQESPWQDRHGETFFRDPHLLDPTVEYVKFSKERHIMDRTPKLLKKELEE
ELLLSSEDLRSHAWYHGRIPRQVSENLVQRDGDVLRDLSLSSPGNFVLTQWKNLAQHFKINRTVLRSE
AYSRVQYQFEMESFDSIPGLVRCYVGNRRPISQQSGAIIIFQPINRTVPLRCLLEHYGTSPGQAREGLTK
GRPDVAKRLSLTMGGVQAREQNLPRGNLLRNKEKSGSQPACLDHMQDRRALSLKAHQSESYLPIGCKLPP
QSSGVDTSPCPNSPVFRTGSEPALSPAVRRVSSDARAGEALRGSDSQLCPKPPPKCKVPFLKVPSSPS
AWLNSEANYCELNPAFATGCGRGAKLPSCAQGSHTELLTAKQNEAPGPRNSGVNYLILDDDRERPWEPA
AAQMEKGQWQDKGEFVTPLETVSSFRPNEFESKFLPPENKPLETAMLKRAKELFTNNDPKVIAQHVLSMD
CRVARILGVSEEMRRNMGVSSGLELITLPHGHQLRLDI IERHNTMAIGIAVDILGCTGTLEDRAATLSKI
IQVAVELKDSMGDLYSFSALMKALEMPQITRLEKTWTALRHQYTQTAILYEKQLKPFKLLHEGRESTCV
PPNNVSVPLLMPLVTLMERQAVTFEGTDMWEKNDQSCIEMLNHLATARFMAEAADSYRMAERILAGFQP
DEEMNEICKTEFQMRLWGSKGAQVNTQTERYEKFNQILTALSRKLEPPPVKQAE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003558</u>



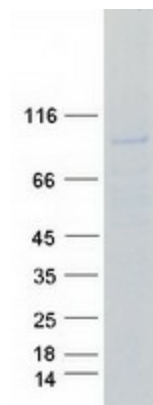
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RefSeq Size:	3203
RefSeq ORF:	2475
Synonyms:	AND-34; MIG7; NSP2; SH2D3B
Locus ID:	8412
UniProt ID:	O75815 , A0A384MTS3
Cytogenetics:	1p22.1

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]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified BCAR3 protein (Cat# [TP307930]). The protein was produced from HEK293T cells transfected with BCAR3 cDNA clone (Cat# [RC207930]) using MegaTran 2.0 (Cat# [TT210002]).