

Product datasheet for PH302148

ACTR3B (NM_020445) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ACTR3B MS Standard C13 and N15-labeled recombinant protein (NP_065178)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202148
Predicted MW:	47.6 kDa
Protein Sequence:	>RC202148 protein sequence Red=Cloning site Green=Tags(s)

MAGSLPPCVVDCGTGYTKLGYAGNTEPQFIIPSCIAIRESAKVVDQAQRRVLRGVDDLDFFIGDEAIDKP
TYATKWPIRHGIIEDWDLMERFMEQVVFYKYLRAEPEDHYFLMTEPPLNTPENREYLAEIMFESFNVPGLY
IAVQAVLALAASWTSRQVGERTLTGIVIDSGDGVTHVIPVAEGYVIGSCIKHIPIAGRDITYFIQQLLRE
REVGIPPEQSLETAKAIKEKYCYICPDI VKEFAKYDVPKWKIKQYTGINAINQKKFVIDVGYERFLGPE
IFFHPEFANPDFMESISDVVDEVIQNCPIDVRRPLYKNNVLSGGSTMFRDFGRRLQRDLKRVVDARLRLS
EELSGGRIKPKPVEVQVVTHMQRYAVWFGGSMLASTPEFFQVCHTKKDYEEYGPSICRHNPFVGVMS

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:	NP_065178
RefSeq Size:	2223
RefSeq ORF:	1254
Synonyms:	ARP3BETA; ARP11
Locus ID:	57180



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UniProt ID: [Q9P1U1](#), [Q59GD5](#)

Cytogenetics: 7q36.1-q36.2

Summary: This gene encodes a member of the actin-related proteins (ARP), which form multiprotein complexes and share 35-55% amino acid identity with conventional actin. The protein encoded by this gene may have a regulatory role in the actin cytoskeleton and induce cell-shape change and motility. Pseudogenes of this gene are located on chromosomes 2, 4, 10, 16, 22 and Y. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jul 2012]

Product images:



Coomassie blue staining of purified ACTR3B protein (Cat# [TP302148]). The protein was produced from HEK293T cells transfected with ACTR3B cDNA clone (Cat# [RC202148]) using MegaTran 2.0 (Cat# [TT210002]).