

Product datasheet for PH302493

ACTR1B (NM_005735) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ACTR1B MS Standard C13 and N15-labeled recombinant protein (NP_005726)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202493
Predicted MW:	42.3 kDa
Protein Sequence:	>RC202493 protein sequence Red=Cloning site Green=Tags(s)

MESYDIIANQPVIDNGSGVIKAGFAGDQIPKYCFPNYVGRPKHMRVMAGALEGDLFIGPKAEEHRGLLT
IRYPMEHGVRDWNDMERIWQYVYVSKDQLQTFSEEHPVLLTEAPLNPSKNREKAAEVFFETFNVPALFIS
MQAVLSLYATGRITGVVLDSGDGVTHAVPIYEGFAMPHSIMRVDIAGRDVSRYLRLLLRKEGVDFHTSAE
FEVVRTIKERACYLSINPQKDEALETEKVQYTLPDGSTLDVGPFRAPPELLFQPDLVGDESEGLHEVVA
FAIHKSDMDLRRTLFANIVLGGSTLFGKFGDRLLSEVKKLAPKDIKIKISAPQERLYSTWIGGSILASL
DTFKKMVWSKKEYEEDGSRAIHRKTF

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_005726</u>
RefSeq Size:	2258
RefSeq ORF:	1128
Synonyms:	ARP1B; CTRN2; PC3
Locus ID:	10120



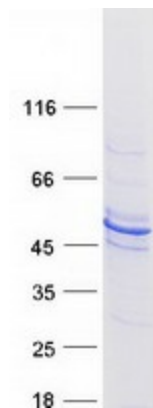
[View online »](#)

UniProt ID: [P42025](#)

Cytogenetics: 2q11.2

Summary: This gene encodes a 42.3 kD subunit of dynactin, a macromolecular complex consisting of 10 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein and is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit, like ACTR1A, is an actin-related protein. These two proteins, which are of equal length and share 90% amino acid identity, are present in a constant ratio of approximately 1:15 in the dynactin complex. [provided by RefSeq, Aug 2008]

Product images:



Coomassie blue staining of purified ACTR1B protein (Cat# [TP302493]). The protein was produced from HEK293T cells transfected with ACTR1B cDNA clone (Cat# [RC202493]) using MegaTran 2.0 (Cat# [TT210002]).