

## Product datasheet for TP302493

### ACTR1B (NM\_005735) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ARP1 actin-related protein 1 homolog B, centractin beta (yeast) (ACTR1B), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202493 protein sequence Red=Cloning site Green=Tags(s)

MESYDIIANQPVIDNGSGVIKAGFAGDQIPKYCFPNYVGRPKHMRVMAGALEGDLFIGPKAEHRGLLT  
IRYPMEHGVWRDWNDMERIWQYVYSKDQLQTFSEEHPVLLTEAPLNPSKNREKAAEVFFETFNPALFIS  
MQAVLSLYATGRITGVLDSDGVTAVPIYEGFAMPHSIMRVDIAGRDVSRYLRLLLRKEGVDFTSAE  
FEVWRTIKERACYLSINPQKDEALETEKVQYTLPDGSLDVGPARFRAPPELLFQPDLVGDESEGLHEVVA  
FAIHKSDMDLRRTLFANIVLSGGSTLFKGFGRLLSEVKKLAPKDIKIKISAPQERLYSTWIGGSILASL  
DTFKKMVWSKKEYEEDGSRAIHRKTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

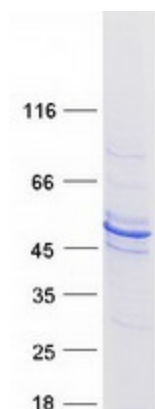
Tag:	C-Myc/DDK
Predicted MW:	42.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_005726</a>



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Locus ID:	10120
UniProt ID:	<a href="#">P42025</a>
RefSeq Size:	2258
Cytogenetics:	2q11.2
RefSeq ORF:	1128
Synonyms:	ARP1B; CTRN2; PC3
Summary:	<p>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]</p>

### 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]).