

## Product datasheet for **TP302493M**

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

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human ARP1 actin-related protein 1 homolog B, centractin beta (yeast) (ACTR1B), 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC202493 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MESYDIIANQPVIDNGSGVIKAGFAGDQIPKYCFPNYVGRPKHMRVMAGALEGDLFIGPKAEEHRGLLT  
IRYPMEHGVRDWNDMERIWQYVYSKDQLQTFSEEHPVLLTEAPLNPSKNREKAAEVFFETFNVPALFIS  
MQAVLSLYATGRITGVLDSDGVTAVPIYEGFAMPHSIMRVDIAGRDSRYLRLLLRKEGVDVFHTSAE  
FEVWRTIKERACYLSINPQKDEALETEKVQYTLPDGSTLDVGPFRAPPELLFQPDLVGDESEGLHEVVA  
FAIHKSDMDLRRTLFANIVLSGGSTLFKGFGRLLSEVKKLAPKDIKIKISAPQERLYSTWIGGSILASL  
DTFKKMWVSKKEYEEDGSRAIHRKTF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

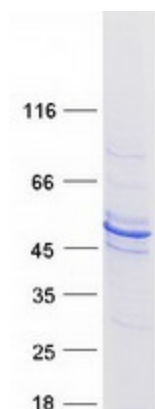
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	42.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein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



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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]).