

## Product datasheet for **TP300738**

### ACTR1A (NM\_005736) Human Recombinant Protein

#### Product data:

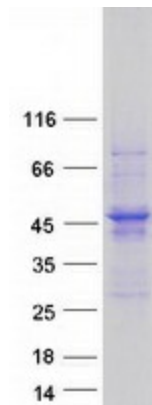
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ARP1 actin-related protein 1 homolog A, centractin alpha (yeast) (ACTR1A), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200738 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MESYDVIANQPVIDNGSGVIKAGFAGDQIPKYCFPNYVGRPKHVRVMAGALEGDIFIGPKAEHRGLLS IRYPMEHGIVKDWNDMERIWQYVYSKDQLQTFSEEHVLLTEAPLNPRKNRERAAEVFFETFNVPALFIS MQAVLSLYATGRITGVLDSDGVTAVPIYEGFAMPHSIMRIDIAGRDVSRLRLYLKKEGYDFHSSSE FEIVKAIKERACYLSINPQKDETLTEKAQYYLPDGSTIEIGPSRFRAPPELLFRPDLIGEESSEGIHEVLV FAIQKSDMDLRRTLFSNIVLSGGSTLFKGFGRDLLSEVKKLAPKDVKIRISAPQERLYSTWIGGSILASL DTFKKMVWSKKEYEEDGARSHRKTF</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	42.4 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:	<u><a href="#">NP_005727</a></u>



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Locus ID:	10121
UniProt ID:	<a href="#">P61163</a> , <a href="#">A0A384NQ21</a>
RefSeq Size:	2891
Cytogenetics:	10q24.32
RefSeq ORF:	1128
Synonyms:	ARP1; Arp1A; CTRN1
Summary:	This gene encodes a 42.6 kD subunit of dynactin, a macromolecular complex consisting of 10-11 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It 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 is present in 8-13 copies per dynactin molecule, and is the most abundant molecule in the dynactin complex. It is an actin-related protein, and is approximately 60% identical at the amino acid level to conventional actin. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified ACTR1A protein (Cat# TP300738). The protein was produced from HEK293T cells transfected with ACTR1A cDNA clone (Cat# [RC200738]) using MegaTran 2.0 (Cat# [TT210002]).