

Product datasheet for TP300738L

ACTR1A (NM_005736) Human Recombinant Protein

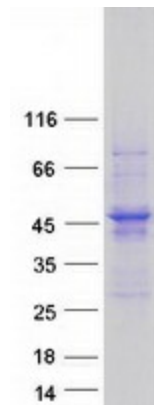
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ARP1 actin-related protein 1 homolog A, centractin alpha (yeast) (ACTR1A), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200738 protein sequence Red =Cloning site Green =Tags(s) MESYDVIANQPVIDNGSGVIKAGFAGDQIPKYCFPNYVGRPKHVRVMAGALEGDIFIGPKAEHRGLLS IRYPMEHGIVKDWNDMERIWQYVYSKDQLQTFSEEHPVLLTEAPLNPRKNRERAAEVFFETFNVPALFIS MQAVLSLYATGRTTGVLDSGDGVTHAVPIYEGFAMPHSIMRIDIAGRDVSRLRLYLKKEGYDFHSSSE FEIVKAIKERACYLSINPQKDETLETEKAQYYLPDGSTIEIGPSRFRAPELLFRPDLIGEESEGIHEVLV FAIQKSDMDLRRTLFSNIVLSGGSTLFKGFGRLLSEVKKLAPKDVKIRISAPQERLYSTWIGGSILASL DTFKKMWVSKKEYEEDGARSIRKTF TR TRPLEQKLISEEDLAANDILDYKDDDDKV
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>NP_005727</u>


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Locus ID:	10121
UniProt ID:	P61163
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]).