

Product datasheet for PH300738

ACTR1A (NM_005736) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ACTR1A MS Standard C13 and N15-labeled recombinant protein (NP_005727)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200738
Predicted MW:	42.6 kDa
Protein Sequence:	>RC200738 protein sequence Red=Cloning site Green=Tags(s)

MESYDVIANQPVIDNGSGVIKAGFAGDQIPKYCFPNYVGRPKHVRVMAGALEGDIFIGPKAEEHRGLLS
IRYPMEHGIVKDWDMERIWQYVYVSKDQLQTFSEEHPVLLTEAPLNPRKNRERAAEVFFETFNPALFIS
MQAVLSLYATGRRTGVVLDSGDGVTHAVPIYEGFAMPHSIMRIDIAGRDRSFRFLRLYLKREGYDFHSSSE
FEIVKAIKERACYLSINPQKDETEKAQYYLPDGSTIEIGPSRFRAPPELLFRPDLIGEESSEGIHEVLV
FAIQKSDMDLRRTLFSNIVLGGSTLFGKFGDRLLSEVKKLAPKDVKIRISAPQERLYSTWIGGSILASL
DTFKKMVWSKKEYEEDGARSIDHRKTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_005727</u>
RefSeq Size:	2891
RefSeq ORF:	1128
Synonyms:	ARP1; Arp1A; CTRN1
Locus ID:	10121



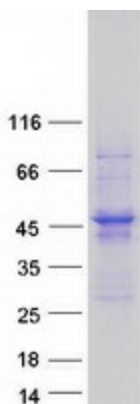
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UniProt ID: [P61163](#), [A0A384NQ21](#)

Cytogenetics: 10q24.32

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]).