

Product datasheet for **RG200738**

ACTR1A (NM_005736) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACTR1A (NM_005736) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ACTR1A
Synonyms:	ARP1; Arp1A; CTRN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200738 representing NM_005736 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCTACGATGTGATCGCCAACCAGCCTGTGCGTATCGACAACGGATCCGGTGTGATTAAGCTG
GTTTTGCTGGTGATCAGATCCCCAAATACTGCTTTCCAAACTATGTGGCCGACCCAAGCAGCTTCGTG
CATGGCAGGAGCCCTTGAAGGCGACATCTTCATTGGCCCCAAAGCTGAGGAGCACCGAGGGCTGCTTCA
ATCCGCTATCCCATGGAGCATGGCATCGTCAAGGATTGGAACGACATGGAACGCATTTGGCAATATGTCT
ATTCTAAGGACCAGCTGCAGACTTCTCAGAGGAGCATCCTGTGCTCCTGACTGAGGCGCCTTTAAACCC
ACGAAAAAACCGGAACGAGCTGCCGAAGTTTTCTCGAGACCTCAATGTGCCCGCTCTTTTCATCTCC
ATGCAAGCTGTAAGCTTACGCTTACGCTACAGGCAGGACCAGGGGTGGTGTGATTCTGGGGATGGAG
TCACCCATGCTGTGCCATCTATGAGGGCTTTGCCATGCCCACTCCATCATGCGCATCGACATCGCGGG
CCGGGACGTCTCTCGCTTCTGCGCCTCTACCTGCGTAAGGAGGGCTACGACTTCCACTCATCTCTGAG
TTTGAGATTGTCAAGGCCATAAAAGAAAGAGCCTGTTACCTATCCATAAACCCCCAAAAGGATGAGACGC
TAGAGACAGAGAAAGCTCAGTACTACCTGCCTGATGGCAGCACCATTGAGATTGGTCTTCCCGATTCCG
GGCCCCTGAGTTGCTCTTCAGGCCAGATTTGATTGGAGAGGAGAGTGAAGGCATCCACGAGTCTGGTG
TTCGCCATTCAGAAGTCAGACATGGACCTGCGGCGCAGCTTTTCTAACATTGCTCTCAGGAGGCT
CTACCTGTTCAAAGTTTTGGTGACAGGCTCCTGAGTGAAGTGAAGAACTAGCTCCAAAAGATGTGAA
GATCAGGATATCTGCACCTCAGGAGAGACTGTATTCCACGTGGATTGGGGCTCCATCCTTGCTCCCTG
GACACCTTTAAGAAGATGTGGTCTCCAAAAGGAATATGAGGAAGACGGTGCCCGATCCATCCACAGAA
AAACCTTC

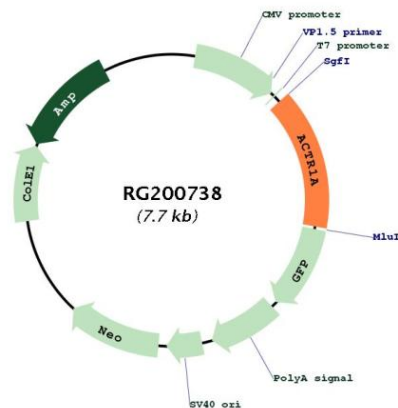
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_005736.4
RefSeq Size:	2828 bp
RefSeq ORF:	1131 bp
Locus ID:	10121
UniProt ID:	P61163
Cytogenetics:	10q24.32
Domains:	ACTIN
Gene 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:



Circular map for RG200738