

OriGene Technologies, Inc.

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Product datasheet for RC202493L4V

ACTR1B (NM_005735) Human Tagged ORF Clone Lentiviral Particle

Product data:

| Product Type: | Lentiviral Particles |
|------------------------------|---|
| Product Name: | ACTR1B (NM_005735) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | ACTR1B |
| Synonyms: | ARP1B; CTRN2; PC3 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_005735 |
| ORF Size: | 1128 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC202493). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u> |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | <u>NM 005735.2</u> |
| RefSeq Size: | 2258 bp |
| RefSeq ORF: | 1131 bp |
| Locus ID: | 10120 |
| UniProt ID: | <u>P42025</u> |
| Cytogenetics: | 2q11.2 |
| Domains: | ACTIN |
| MW: | 42.3 kDa |
| | |



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Gene Summary: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]

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