

Recombinant Human ACTR2

Cat. No. ACTR2-26394TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein corresponding to amino acids 1-394 of Human Arp2 with a proprietary tag; predicted mwt: 69.08 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	394 amino acids
Description	The specific function of this gene has not yet been determined; however, the protein it encodes is known to be a major constituent of the ARP2/3 complex. This complex is located at the cell surface and is essential to cell shape and motility through lamellipodial actin assembly and protrusion. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	69.080kDa
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: Glutathione is reduced
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids

MDSQGRKVVVCDNGTGFVKCGYAGSNFPEHIFPALVGRPIIRSTTKVGNIEIKDLMV
 GDEASELRSTLEVNYPMENGIVRNWDDMKHLWDYTFGPEKLNIDTRNCKILLTEPP
 MNPTKNREKIVEVMFETYQFSGVYVAIQAVLTLYAQGLLTGVVVDSDGDGVTHICPVY
 ESFSLPHLTRRLDIAGRDITRYLIKLLLLRGYAFNHSADFETVRMIKEKLCYVGYNIEQ
 EQKLALETTVLVESYTLDPGRIIKVGGGERFEAPEALFQPHLINVEGVGVAELLFNTIQA
 ADIDTRSEFYKHIVLSGGSTMYPGLPSRLERELKQLYLERVLKGDVEKLSKFKIRIEDP
 PRRKHMVFLGGAVLADIMKDKDNFWMTRQEYQEKGVRVLEKLGVTVR

Sequence Similarities

Belongs to the actin family. ARP2 subfamily.

GENE INFORMATION

Gene Name [ACTR2 ARP2 actin-related protein 2 homolog \(yeast\) \[Homo sapiens \]](#)

Official Symbol [ACTR2](#)

Synonyms ACTR2; ARP2 actin-related protein 2 homolog (yeast); ARP2 (actin related protein 2, yeast) homolog; actin-related protein 2; ARP2;

Gene ID [10097](#)

mRNA Refseq [NM_001005386](#)

Protein Refseq [NP_001005386](#)

MIM [604221](#)

Uniprot ID [P61160](#)

Chromosome Location 2p14

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Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; CDC42 signaling events, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; RAC1 signaling pathway, organism-specific biosystem;
Function	ATP binding; actin binding; nucleotide binding;

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