

# Recombinant Full Length Human ACTR2 Protein

**Cat. No.** ACTR2-06HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Full Length protein corresponding to amino acids 1-394 of Human Arp2 with a propeitary tag; predicted mwt: 69.08 kDa.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | In Vitro Cell Free System   |
| <b>ProteinLength</b>    | 394 amino acids   |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Liquid  |
| <b>Molecular Mass</b>   | 69.080kDa   |
| <b>AA Sequence</b>      | MDSQGRKVVV CDNGTGFVKC GYAGSNFPEH IFPALVGRPI IRSTTKVGN<br>EIKDLMVGDE ASELRSTLEV NYPMENGIVR NWDDMKHLWD YTFGPEKLN<br>DTRNCKILLT EPPMNPTKNR EKIVEVMFET YQFSGVYVAI QAVLTLYAQG<br>LLTGVVVDSG DGVTHICPVY ESFSLPHLTR RLDIAGRDI RYLIKLLLLR<br>GYAFNHSADF ETVRMIKEKL CYVGYNIEQE QKLALETTVL VESYTLPDGR<br>IIKVGGERFE APEALFQPHL INVEGVGVAE LLFNTIQAAD IDTRSEFYKH                                     |

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IVLSGGSTMY PGLPSRLERE LKQLYLERVL KGDVEKLSKF KIRIEDPPRR  
KHMVFLGGAV LADIMKDKDN FWMTRQEYQE KGVRVLEKLG VTVR

**Purity** Proprietary Purification

**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione. Note: Glutathione is reduced.

## 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](#)

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