

## Recombinant Human ARPC2 Protein, His-tagged

**Cat. No.** ARPC2-151H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human actin related protein 2/3 complex subunit 2(ARPC2), transcript variant 2(NM_005731), with a His tag, was expressed in human cells.                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | This gene encodes one of seven subunits of the human Arp2/3 protein complex. The Arp2/3 protein complex has been implicated in the control of actin polymerization in cells and has been conserved through evolution. The exact role of the protein encoded by this gene, the p34 subunit, has yet to be determined. Two alternatively spliced variants have been characterized to date. Additional alternatively spliced variants have been described but their full length nature has not been determined. |
| <b>Form</b>             | Purified protein formulated in a sterile solution of TBS buffer, pH7.27, without any preservatives.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 34.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Endotoxin</b>        | Endotoxin level is < 0.1 ng/g of protein (<1EU /g)                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | >90% by SDS-PAGE gel and Coomassie Blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>     | Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.                                                                                                                                                                                                                                                                                                                                                                                   |

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**GENE INFORMATION**

|                        |                                                                                                                                                                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ARPC2 actin related protein 2/3 complex, subunit 2, 34kDa [ Homo sapiens ]                                                                                                                                                                                                   |
| <b>Official Symbol</b> | ARPC2                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | ARPC2; actin related protein 2/3 complex, subunit 2, 34kDa; actin related protein 2/3 complex, subunit 2 (34 kD); actin-related protein 2/3 complex subunit 2; ARC34; p34 Arc; arp2/3 complex 34 kDa subunit; ARP2/3 protein complex subunit 34; PRO2446; p34-Arc; PNAS-139; |
| <b>Gene ID</b>         | 10109                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>     | NM_005731                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>  | NP_005722                                                                                                                                                                                                                                                                    |
| <b>MIM</b>             | 604224                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>      | O15144                                                                                                                                                                                                                                                                       |

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