

## Recombinant Human ARPC3, GST-tagged

**Cat. No.** ARPC3-9884H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | Recombinant Human ARPC3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 1-178a.a.                                                                                                                                                                                                                                                                                                            |
| <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 p21 subunit, has yet to be determined. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                            |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.                                                                                                                                                    |

### GENE INFORMATION

|                        |                                                                            |
|------------------------|----------------------------------------------------------------------------|
| <b>Gene Name</b>       | ARPC3 actin related protein 2/3 complex, subunit 3, 21kDa [ Homo sapiens ] |
| <b>Official Symbol</b> | ARPC3                                                                      |

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| <b>Synonyms</b>            | ARPC3; actin related protein 2/3 complex, subunit 3, 21kDa; actin related protein 2/3 complex, subunit 3 (21 kD); actin-related protein 2/3 complex subunit 3; ARC21; p21 Arc; arp2/3 complex 21 kDa subunit; ARP2/3 protein complex subunit p21; p21-Arc;                                                                                                                                                                            |
| <b>Gene ID</b>             | <a href="#">10094</a>                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>         | <a href="#">NM_005719</a>                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>      | <a href="#">NP_005710</a>                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>MIM</b>                 | <a href="#">604225</a>                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>UniProt ID</b>          | <a href="#">O15145</a>                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Chromosome Location</b> | 12q24                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Pathway</b>             | B Cell Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; CDC42 signaling events, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; |
| <b>Function</b>            | actin binding; protein binding; structural constituent of cytoskeleton;                                                                                                                                                                                                                                                                                                                                                               |