

## Recombinant Human ARPC4, GST-tagged

Cat. No. ARPC4-9885H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human ARPC4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 1-168a.a.

**Description** This gene encodes one of seven subunits of the human Arp2/3 protein complex. This complex controls actin polymerization in cells and has been conserved throughout eukaryotic evolution. This gene encodes the p20 subunit, which is necessary for actin nucleation and high-affinity binding to F-actin. Alternative splicing results in multiple transcript variants. Naturally occurring read-through transcription exists between this gene and the downstream tubulin tyrosine ligase-like family, member 3 (TTLL3), which results in the production of a fusion protein.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 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

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<b>Gene Name</b>	ARPC4 actin related protein 2/3 complex, subunit 4, 20kDa [ Homo sapiens ]
<b>Official Symbol</b>	ARPC4
<b>Synonyms</b>	ARPC4; actin related protein 2/3 complex, subunit 4, 20kDa; actin related protein 2/3 complex, subunit 4 (20 kD); actin-related protein 2/3 complex subunit 4; actin related protein 2/3 complex; subunit 4 (20 kD); ARC20; Arp2/3 protein complex subunit p20; p20 Arc; arp2/3 complex 20 kDa subunit; arp2/3 protein complex subunit p20; P20-ARC; MGC13544;
<b>Gene ID</b>	10093
<b>mRNA Refseq</b>	NM_001024959
<b>Protein Refseq</b>	NP_001020130
<b>MIM</b>	604226
<b>UniProt ID</b>	P59998
<b>Chromosome Location</b>	3p25
<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>	contributes_to actin filament binding; protein binding; contributes_to protein binding,

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bridging;

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