

Recombinant Human ACTR2, GST-tagged

Cat. No. ACTR2-9346H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACTR2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-394a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol

GENE INFORMATION

Gene Name	ACTR2 ARP2 actin-related protein 2 homolog (yeast) [Homo sapiens]
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Official Symbol	ACTR2
Synonyms	ACTR2; ARP2 actin-related protein 2 homolog (yeast); ARP2 (actin related protein 2, yeast) homolog; actin-related protein 2; ARP2; actin-like protein 2;
Gene ID	10097
mRNA Refseq	NM_001005386
Protein Refseq	NP_001005386
MIM	604221
UniProt ID	P61160
Chromosome Location	2p14
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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