

Recombinant Human ACTR3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ACTR3-4424H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ACTR3 MS Standard C13 and N15-labeled recombinant protein (NP_005712) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. Three transcript variants encoding two different isoforms have been found for this gene.
Molecular Mass	47.4 kDa
AA Sequence	MAGRLPACVVDCGTGYTKLGYAGNTEPQFIIPSCIAIKESAKVGDQAQRRVMKGVD DLDDFFIGDEAIEKPTYATKWPIRHGIVEDWDLMERFMEQVIFKYLRAEPEDHYFLLTE PPLNTPENREYTAEIFMFESFNVPGLYIAVQAVLALAASWTSRQVGERTLTGTVIDSG DGVTHVIPVAEGYVIGSCIKHIPIAGRDITYFIQQLLRDREVGIPPEQSLETAKAVKERY SYVCPDLVKEFNKYDTDGSKWIKQYTGINAISKKEFSIDVGYERFLGPEIFFHPEFAN PDFTQPISEVVDEVIQNCPIDVRRPLYKNIVLSGGSTMFRDFGRRLQRDLKRTVDARL KLSEELSGGRLKPKPIDVQVITHHMQRVAVWFGGSMMLASTPEFYQVCHTKKDYEEI GPSICRHNPVFGVMSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

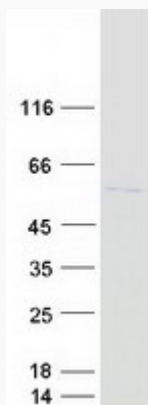
GENE INFORMATION

Gene Name	ACTR3 actin related protein 3 [Homo sapiens (human)]
Official Symbol	ACTR3
Synonyms	ACTR3; ARP3 actin-related protein 3 homolog (yeast); ARP3 (actin related protein 3, yeast) homolog; actin-related protein 3; ARP3; actin-like protein 3;
Gene ID	10096
mRNA Refseq	NM_005721
Protein Refseq	NP_005712
MIM	604222
UniProt ID	P61158

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SDS-PAGE

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