

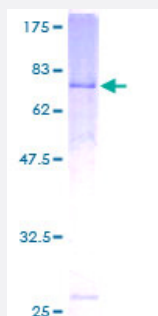
Full-Length

ACTR3 (Human) Recombinant Protein (P01)

Catalog # H00010096-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ACTR3 full-length ORF (AAH44590, 1 a.a. - 418 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAGRLPACVVDCGTGYTKLGYAGNTEPQFIIPSCIAIKESAKVGDQAQRRVMKGVDDLDFFIGDEA
IEKPTYATKWPIRHGIAEDWDLMERFMEQVIFKYLRAEPEDHYFLLEPPLNTPENREYTAEIFES
FNVPGLYIAVQAVLALAASWTSRQVGERTLTGTVIDSGDGVTHVIPVAEGYVIGSCIKHIPIAGRDITY
FIQQLLRDREVGIPPEQSLETAKAVKERYSYVCPDLVKEFNKYD TDGSKWIKQYTGINAISKKEFSID
VGYERFLGPEIFFHPEFANPDFTQPISEVVDEVIQNCPIDVRRPLYKNVLSGGSTMFRDFGRRLQR
DLKRTVDARLKLSEELSGGRLKPKPIDVQVITHHMQRYAVWFGGSMLASTPEFYQVCHTKKDYE
IGPSICRHNPVFGVMS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.72

Interspecies Antigen Sequence

Mouse (99); Rat (99)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ACTR3

Entrez GeneID	10096
GeneBank Accession#	BC044590
Protein Accession#	AAH44590
Gene Name	ACTR3
Gene Alias	ARP3
Gene Description	ARP3 actin-related protein 3 homolog (yeast)
Omim ID	604222
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	ARP3 actin-related protein 3 homolog

Publication Reference

- [Plasma IgG autoantibody against actin-related protein 3 in liver fluke *Opisthorchis viverrini* infection.](#)

Rucksaken R, Haonon O, Pinlaor P, Pairojkul C, Roytrakul S, Yongvanit P, Selmi C, Pinlaor S.

Parasite Immunology 2015 Jul; 37(7):340.

Application: ELISA, WB, Human, Plasma