



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### ACTR1A (Human) Recombinant Protein (P01)

**Catalog Number:** H00010121-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human ACTR1A full-length ORF (AAH00693, 1 a.a. - 376 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MESYDVSANQPVIDNGSGVIKAGFAGDQIPKYCFPN  
YVGRPKHVRVMAGALEGDIFIGPKAEEHRGLLSIRYPM  
EHGIVKDWNDMERIWQYVYSKDQLQTFSEEHPVLLTE  
APLNPRKNRERAAEVFFETFNVPALFISMQAVLSLYAT  
GRTTGVVLDSDGDGVTHAVPIYEGFAMPHSIMRIDIAGR  
DVSRLFRLYLRLRKEGYDFHSSSEFEIVKAIKERACYLSIN  
PQKDETELEKAQYYLPDGSSTIEIGPSRFRAPPELLFRP  
DLIGEESEGIHEVLVFAIQKSDMDLRRTLFSNIVLSSGGS  
TLFKGFGDRLLSEVKKLAPKDKIRISAPQERLYSTWIG  
GSILASLDTFKKMVWSKKEYEEDGARSIHRTKTF

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 67.10

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**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.

**Entrez GeneID:** 10121

**Gene Symbol:** ACTR1A

**Gene Alias:** ARP1, CTRN1, FLJ52695, FLJ52800, FLJ55002

**Gene Summary:** This gene encodes a 42.6 kD subunit of dynactin, a macromolecular complex consisting of 10-11 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit is present in 8-13 copies per dynactin molecule, and is the most abundant molecule in the dynactin complex. It is an actin-related protein, and is approximately 60% identical at the amino acid level to conventional actin. [provided by RefSeq]