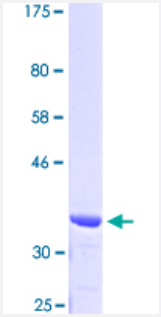
ACTR1B (Human) Recombinant Protein (Q01)

Catalog # H00010120-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ACTR1B partial ORF (NP_005726.1, 191 a.a. - 285 a.a.) recombinant protein with GST tag at N-terminal.
Sequence	SRYLRLLLRKEGVDFHTSAEFEVVRTIKERACYLSINPQKDEALETEKVQYTLPDGSTLDVGPARF RAPELLFQPDLVGDESEGLHEVVAFAIHK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.08
Interspecies Antigen Sequence	Mouse (98); Rat (98)
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 — ACTR1B

Entrez GeneID	10120
GeneBank Accession#	NM_005735.3
Protein Accession#	NP_005726.1
Gene Name	ACTR1B
Gene Alias	ARP1B, CTRN2, PC3
Gene Description	ARP1 actin-related protein 1 homolog B, centractin beta (yeast)
Omim ID	605144
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a 42.3 kD subunit of dynactin, a macromolecular complex consisting of 10 su bunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dy nein and is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the cen tripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuc lear positioning, and axonogenesis. This subunit, like ACTR1A, is an actin-related protein. These two proteins, which are of equal length and share 90% amino acid identity, are present in a const ant ratio of approximately 1:15 in the dynactin complex. [provided by RefSeq
Other Designations	ARP1 actin-related protein 1 homolog B, centractin beta|centractin beta