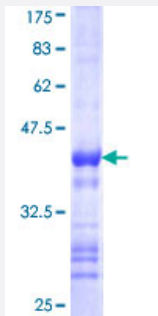


CDC42EP2 (Human) Recombinant Protein (Q01)

Catalog # H00010435-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CDC42EP2 partial ORF (NP_006770, 102 a.a. - 210 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PLLKNAISLPVIGGPQALTLPTAQAPPKPPRLHLETPQPSPQEGGSVDIWRIPETGSPNSGLTPES GAEEPFLSNASSLLSLHVDLGPSILDDVLQIMDQDLDSMQIPT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
Interspecies Antigen Sequence	Mouse (86); Rat (86)
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 — CDC42EP2

Entrez GeneID [10435](#)

GeneBank Accession# [NM_006779](#)

Protein Accession# [NP_006770](#)

Gene Name CDC42EP2

Gene Alias BORG1, CEP2

Gene Description CDC42 effector protein (Rho GTPase binding) 2

Omim ID [606132](#)

Gene Ontology [Hyperlink](#)

Gene Summary CDC42, a small Rho GTPase, regulates the formation of F-actin-containing structures through its interaction with the downstream effector proteins. The protein encoded by this gene is a member of the Borg family of CDC42 effector proteins. Borg family proteins contain a CRIB (Cdc42/Rac interactive-binding) domain. They bind to, and negatively regulate the function of, CDC42. Coexpression of this protein with dominant negative mutant CDC42 protein in fibroblast was found to induce pseudopodia formation, which suggested a role of this protein in actin filament assembly and cell shape control. [provided by RefSeq]

Other Designations CRIB-containing BOGR1 protein|Cdc42 effector protein 2