

CDC42 recombinant protein

CDC42, 1- 188aa, Human, T7-tag, E Coli

CATALOG # AAA48564	HOST E Coli	APPLICATIONS SDS-Page
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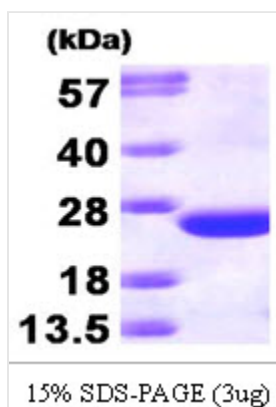
PRODUCT SYNONYMS

CDC42; 1- 188aa; Human; T7-tag; E Coli; Cell division cycle 42 isoform 1; G25K; Cell division cycle 42 isoform 1 CDC42Hs; Cell division cycle 42; Small GTP binding protein CDC42.; CDC42 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 2mM EDTA
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MASMTGGQQM GRGSHMQTIK CVVVG DGAVG KTCLLSYTT NKFPSEYVPT VFDNYAVTVM IGGEPYTLGL FDTAGQEDYD RLRPLSYPQT DVFLVCF SVV SPSSFENVKE KVVPEITHHC PKTPFLLVGT QIDLRDDPST IEKLAKNKQK PITPETAEL ARDLKAVKYV ECSALTQKGL KNVFDEAILA ALEPPEPKKS RRC
Sequence Length	191
Applicable Applications for CDC42 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	T7 tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CDC42 recombinant protein	Cell division cycle 42 isoform 1, also known as CDC42, is a small GTPase of the Rho-subfamily, which regulates signaling pathways that control diverse cellular functions including cell morphology, migration, endocytosis and cell cycle progression. Also, this protein could regulate actin polymerization through its direct binding to Neural Wiskott-Aldrich syndrome protein (N-WASP), which subsequently activates Arp2/3 complex. Loss of CDC42 function caused an increase in the endocytotic uptake of apical proteins, including apical polarity factors such as Crumbs. Recombinant human CDC42, fused to T7-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for CDC42 recombinant protein	Signal Transduction
References	Kathryn P., et al. (2008) J Cell Biol. 183 (6):1129-1143. ; Li R., et al. (1997) J Biol Chem. 272 (52):32830-5. ;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757952
NCBI GeneID	998
NCBI Accession #	NP_001782
NCBI GenBank Nucleotide #	NM_001791.3
UniProt Accession #	P60953; P21181; P25763; Q7L8R5; Q9UDI2
Molecular Weight	22.4 kDa (203aa), confirmed by MALDI-TOF.
NCBI Official Full Name	cell division control protein 42 homolog isoform 1
NCBI Official Synonym Full Names	cell division cycle 42
NCBI Official Symbol	CDC42
NCBI Official Synonym Symbols	TKS; G25K; CDC42Hs
NCBI Protein Information	cell division control protein 42 homolog
UniProt Protein Name	Cell division control protein 42 homolog
UniProt Gene Name	CDC42

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cdc42-recombinant-protein-e-coli-sds-page/48564>