

Cell Division Cycle 42 Human Recombinant

Item Number	rAP-2986
Synonyms	Cell division control protein 42 homolog, G25K GTP-binding protein, CDC42, G25K, CDC42Hs.
Description	CDC42 Human Recombinant fused with a 15 amino acid T7 tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 203 amino acids (1-188 a.a.) and having a molecular mass of 22.4kDa. The CDC42 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P60953
Amino Acid Sequence	MASMTGGQQM GRGSHMQTIK CVVVG DGAVG KTCLLISYTT NKFPSEYVPT VFDNYAVTVM IGGEPYTLGL FDTAGQEDYD RLRPLSYPQT DVFLVCF SVV SPSSFENVKE KVVPEITHHC PKTPFLLVGT QIDLRDDPST IEKLAKNKQK PITPETA EKL ARDLKAVKYV ECSALTQKGL KNVFDEAILA ALEPPEPKKS RRC.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The CDC42 solution contains 20mM Tris-HCl buffer (pH8.0), 1mM DTT, 10% glycerol and 2mM EDTA. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**