

CDC42

Recombinant Human Cell Division Cycle 42, GST-tag ΔC, G12V mutation (aa 1-178)

Catalog No.	CSI13868	Quantity:	50 µg
Alternate Names:	CDC42, Cell division control protein 42 homolog, G25K GTP-binding protein		
Description:	The C-terminal deletion, ΔC, of 13 amino acids of CDC42 includes the polybasic domain consisting of six contiguous basic amino acids. The polybasic domain is required for homodimer formation. The Gly12 to Val mutation, G12V, leads to a constitutive active protein.		
	Rho family GTPases Rac1 and CDC42 belong to the Ras superfamily of small GTP-binding proteins. The human homolog of yeast Cdc42 is essential for cell polarity and regulates cytoskeletal rearrangements in responses to growth factor stimulation.		
	The GST-Tag facilitates the protein's application in typical GST pull-down assays.		
UniProt ID:	P60953		
Gene ID:	998		
Source:	<i>E. coli</i>		
Molecular Weight:	19.8 kDa (178 amino acids)		
Formulation:	50 mM Tris-HCl, 100 mM NaCl, 5 mM MgCl ₂ , 5 mM β-mercaptoethanol, pH 7.5		
Purity:	> 95% by SDS-PAGE		
Storage & Stability:	Store at -80°C for up to 1 year. Upon initial thaw, prepare aliquots and store at -80°C. Avoid freeze-thaw cycles.		

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® Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com