



ARHGEF7 Protein Crystal

Catalog: CBCRY28

PRODUCT INFORMATION

Name	ARHGEF7 Protein Crystal
Cat No.	CBCRY28
Fragment	SH3 domain
Protein Description	Rho Guanine Nucleotide Exchange Factor 7
Background	Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein belongs to a family of cytoplasmic proteins that activate the Ras-like family of Rho proteins by exchanging bound GDP for GTP. It may form a complex with G proteins and stimulate Rho-dependent signals. This protein can induce membrane ruffling. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene, but some of their full-length sequences have not been determined.
Protein Classification	Signaling Protein
Structure Weight	15255.28 Da
Method	X-Ray Diffraction
Resolution	2.01Å
Ligand Chemical Component	Chloride ion; Mercury ion
Reference	Li, X., Liu, X., Sun, F., Gao, J., Zhou, H., Gao, G.F., Bartlam, M., Rao, Z. (2006) Crystal structure of the N-terminal SH3 domain of mouse betaPIX, p21-activated kinase-interacting exchange factor Biochem. Biophys. Res. Commun. 339: 407-414