



# ARHGEF7 Protein Crystal

Catalog: CBCRY28

## PRODUCT INFORMATION

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<b>Name</b>	ARHGEF7 Protein Crystal
<b>Cat No.</b>	CBCRY28
<b>Fragment</b>	SH3 domain
<b>Protein Description</b>	Rho Guanine Nucleotide Exchange Factor 7
<b>Background</b>	<p>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.</p>
<b>Protein Classification</b>	Signaling Protein
<b>Structure Weight</b>	15255.28 Da
<b>Method</b>	X-Ray Diffraction
<b>Resolution</b>	2.01Å
<b>Ligand Chemical Component</b>	Chloride ion; Mercury ion
<b>Reference</b>	<p>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</p>