



PI3K α Protein Crystal

Catalog: CBCRY44

PRODUCT INFORMATION

Name	PI3K α Protein Crystal
Cat No.	CBCRY44
Fragment	catalytic subunit alpha isoform
Protein Description	Phosphoinositide 3 Kinase Alpha
Background	Phosphatidylinositol 3-kinase is composed of an 85 kDa regulatory subunit and a 110 kDa catalytic subunit. The protein encoded by this gene represents the catalytic subunit, which uses ATP to phosphorylate PtdIns, PtdIns4P and PtdIns(4,5)P2. This gene has been found to be oncogenic and has been implicated in cervical cancers.
Protein Classification	Transferase/oncoprotein
Structure Weight	161490.30 Da
Method	X-Ray Diffraction
Resolution	3.05 Å
Reference	Huang CH, Mandelker D, Schmidt-Kittler O, Samuels Y, Velculescu VE, Kinzler KW, Vogelstein B, Gabelli SB, Amzel LM. The structure of a human p110 α /p85 α complex elucidates the effects of oncogenic pi3k α mutations. Science (2007) 318 p.1744