



Eed Protein Crystal

Catalog: CBCRY07

PRODUCT INFORMATION

Name	Eed Protein Crystal
Cat No.	CBCRY07
Fragment	Residues 81-441
Protein Description	Embryonic Ectoderm Development
Background	The crystal structure of EED in complex with a 30 residue peptide from EZH2 reveals that the peptide binds to the bottom of the WD-repeat domain of EED. The structural determinants of EZH2-EED interaction are present not only in EZH2 and EZH1 but also in its Drosophila homolog E(Z), suggesting that the recognition of ESC by E(Z) in Drosophila employs similar structural motifs. Structure-based mutagenesis identified critical residues from both EED and EZH2 for their interaction.
Protein Classification	gene regulation
Structure Weight	45399.05 Da
Method	X-Ray Diffraction
Resolution	1.82 Å
Reference	Han, Z., Xing, X., Hu, M., Zhang, Y., Liu, P., Chai, J. (2007) Structural basis of EZH2 recognition by EED Structure 15: 1306-1315