



Eed Protein Crystal

Catalog: CBCRY07

PRODUCT INFORMATION

Product Name	Eed Protein Crystal
Catalog Number	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
PDBID	2QXV
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



cDNA Length	1083
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USAGE GUIDELINES

General Handling	Avoid excessive mixing or vortexing to prevent aggregation. Long-term storage above -80°C may result in aggregate formation. Thaw on ice before use.
Storage	Short term: +2°C to +8°C (up to 1 week) Long term: -80°C (stable for 12 months)
Stability	Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.
Freeze / Thaw	Can be frozen, but limit to 3 freeze/thaw cycles to maintain particle integrity.

Important: This product is for **research use only**. Not intended for diagnostic or therapeutic applications. Please refer to the Safety Data Sheet (SDS) for complete handling and safety information.