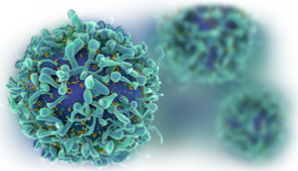

# Eed Protein Crystal

## Catalog: CBCRY07

## PRODUCT INFORMATION

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|---|---|
| **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 |

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