



## **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 presen t 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 residue s 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 Str<br>ucture 15: 1306-1315   |