

## 32-3300: BCDIN3D Recombinant Protein

**Alternative Name :** Pre-miRNA 5'-monophosphate methyltransferase,BCDIN3 domain-containing protein,BCDIN3D.

### Description

Source : Escherichia Coli. BCDIN3D Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 315 amino acids (1-292 a.a) and having a molecular mass of 35kDa. BCDIN3D is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. BCDIN3D is a member of the methyltransferase superfamily and contains 1 Bin3-type SAM domain. BCDIN3D acts in the catalysis of the transfer of a methyl group to an acceptor molecule. BCDIN3D is an O-methyltransferase which specifically dimethylates the 5' monophosphate of pre-miRNAs, serving as a negative regulator of miRNA processing. BCDIN3D mediates the methylation of pre-miR-145, as well as other pre-miRNAs.

### Product Info

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|----------------------------|--|
| <b>Amount :</b>            | 10 µg  |
| <b>Purification :</b>      | Greater than 85.0% as determined by SDS-PAGE.  |
| <b>Content :</b>           | BCDIN3D protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 40% glycerol, 1mM DTT and 2mM EDTA.  |
| <b>Storage condition :</b> | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.   |
| <b>Amino Acid :</b>        | MGSSHHHHHH SGLVPRGSH MGSMAVPTEL DGGSVKETAA EEESRVLAPG AAPFGNFPHY<br>SRFHPPEQRL RLLPELLRQ LFPESPENGP ILGLDVGCNS GDLSVALYKH FLSLPDGETC SDASREFRLL<br>CCDIDPVLVK RAEKECPFPD ALTFITLDFM NQRTRKVLSS SFLSQFGRSV FDIGFCMSIT MWIHLNHGDH<br>GLWEFLAHL SLCHYLLVEP QPWKCYRAAA RRLRKLGLHD FDHFHSLAIR GDMPNQIVQI LTQDHGMELI<br>CCFGNTSWDR SLLLFRKQT IETHPIPEL IEKGKEKNRL SFQKQ. |

