9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

BCDIN3D Human

BCDIN3D Human Recombinant
RCP0180

Product Overview

Name	BCDIN3D Human
Description	
BCDIN3D Human Recombinant	
Accession (Primary)	Q7Z5W3
Synonyms	
Pre-miRNA 5'-monophosphate methyltransferase, BCDIN3 domain-containing protein, BCDIN3D.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
BCDIN3D protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 40% glycerol, 1mM DTT and 2mM EDTA.	
Stability	
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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MAVPTEL DGGSVKETAA EEESRVLAPG AAPFGNFPHY SRFHPPEQRL RLLPPELLRQ LFPESPENGP ILGLDVGCNS GDLSVALYKH FLSLPDGETC SDASREFRLL CCDIDPVLVK RAEKECPFPD ALTFITLDFM NQRTRKVLLS SFLSQFGRSV FDIGFCMSIT MWIHLNHGDH GLWEFLAHLS SLCHYLLVEP QPWKCYRAAA RRLRKLGLHD FDHFHSLAIR GDMPNQIVQI LTQDHGMELI CCFGNTSWDR	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SLLLFRAKQT IETHPIPESL IEKGKEKNRL SFQKQ.

Precautions

BCDIN3D Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q7Z5W3)