

BCDIN3D Human

Description: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.

Catalog #:PRPS-1269

For research use only.

Synonyms:Pre-miRNA 5'-monophosphate methyltransferase, BCDIN3 domain-containing protein, BCDIN3D.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMVPTTEL DGGSVKETAA
EEESRVLAPG AAPFGNFPHY SRFHPPPEQRL RLLPPELLRQ LFPESPENGP ILGLDVGCNS
GDLSVALYKH FLSLPDGETC SDASREFRLL CCDIDPVLVK RAEKECPFPD ALTFITLDFM
NQRTRKVLLS SFLSQFGRSV FDIGFCMSIT MWIHLNHGDH GLWEFLAHL SLCHYLLVEP
QPWKCYRAAA RR

Purity:Greater than 85.0% as determined by SDS-PAGE.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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