www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

BCDIN3D Human

Catalog #:PRPS-1269

For research use only.

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.

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 MGSMAVPTEL DGGSVKETAA EEESRVLAPG AAPFGNFPHY SRFHPPEQRL RLLPPELLRQ LFPESPENGP ILGLDVGCNS GDLSVALYKH FLSLPDGETC SDASREFRLL CCDIDPVLVK RAEKECPFPD ALTFITLDFM NQRTRKVLLS SFLSQFGRSV FDIGFCMSIT MWIHLNHGDH GLWEFLAHLS 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 drµgs, 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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