

Recombinant Human BCDIN3D Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BCDIN3D-3359H **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | BCDIN3D MS Standard C13 and N15-labeled recombinant protein (NP_859059) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells. |
| Species | Human |
| Source | HEK293 |
| Description | This gene encodes an RNA methyltransferase which belongs to the rossmann fold methyltransferase family, and serves as a 5'-methylphosphate capping enzyme that is specific for cytoplasmic histidyl tRNA. The encoded protein contains an S-adenosylmethionine binding domain and uses the methyl group donor, S-adenosylmethionine. This gene is overexpressed in breast cancer cells, and is related to the tumorigenic phenotype and poor prognosis of breast cancer. The encoded protein is thought to promote the cellular invasion of breast cancer cells, by downregulating the expression of tumor suppressor miRNAs through the dimethylation of the 5-monophosphate of the corresponding precursor miRNAs. |
| Molecular Mass | 33.2 kDa |
| AA Sequence | MAVPTELDGGSVKETAEEEE SRVLAPGAAPFGNFPHYSRFHPPEQRLRLLPPELLR QLFPESPENGPILGLDVGCNSGDL SVALYKHFLSLPDGETCSDASREFRLLCCDIDP VLVKRAEKECPFPDALTFITLDFMNQRTRKVLSSFLSQFGRSVFDIGFCMSITMWIH LNHGDLHGLWEFLAHLSSLCHYLLVEPQPWKCYRAAARRLRKLGLHDFDHFHSLAIR |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GDMPNQIVQILTQDHGMELICCFGNTSWDRSLLLFRAKQTIETHPIPESLIEKGKEKN
RLSFQKQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [BCDIN3D BCDIN3 domain containing \[Homo sapiens \(human\) \]](#)

Official Symbol [BCDIN3D](#)

Synonyms BCDIN3D; BCDIN3 domain containing; RNA 5'-monophosphate methyltransferase; BCDIN3 domain containing RNA methyltransferase; BCDIN3 domain-containing protein; pre-miRNA 5'-monophosphate methyltransferase; probable methyltransferase BCDIN3D; EC 2.1.1.-

Gene ID [144233](#)

mRNA Refseq [NM_181708](#)

Protein Refseq [NP_859059](#)

 Tel: 1-631-559-9269 1-516-512-3133

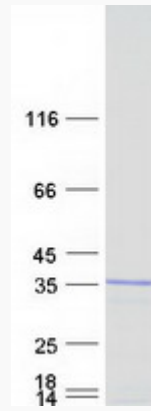
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

Q7Z5W3

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA