

Product datasheet for **SC126373**

BCDIN3D (NM_181708) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: BCDIN3D (NM_181708) Human Untagged Clone
Tag: Tag Free
Symbol: BCDIN3D
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF: >OriGene sequence for NM_181708 edited

```

GGCTAATGGCGGTGCCACGGAAGTGGATGGAGGGAGTGTAAAGGAGACCGCAGCGGAAG
AGGAATCGCGAGTTCTGGCACCTGGCGCCGCCCGTTTCGAAAATTTCTCATTATTCTC
GCTTCCACCCTCCGGAGCAACGGCTCCGCCTCCTGCCCGGAGCTGCTTCGACAGCTCT
TTCTGAGAGTCCCGAGAACGGGCCGATTCTGGGGCTCGACGTGGGGTGTAACTCCGGGG
ATCTGAGTGTGGCTCTATACAAACACTTCTCTCCCTACCTGACGGGGAAACCTGCTCAG
ATGCCTCAAGAGAATTCGTCCTCTGCTGCGACATAGATCCAGTCTGGTGAAGCGAG
CCGAAAAAGAATGTCCTTTTCTGATGCCTTGACTTTTATCACCTGGACTTCATGAATC
AAAGGACCCGGAAGTTCTCTTGAGCTTTTCTTAAGCCAATTTGGACGTTTCAGTTTTTG
ACATTGGCTTCTGCATGTCAATAACCATGTGGATTTCATCTGAATCATGGAGACCATGGCC
TATGGGAGTTCCTGGCCATCTTTCCTCCTCTGCCACTACCTCCTTGTGGAGCCCAAC
CCTGGAAGTGTACCGGGCAGCTGCAAGGCGTCTCCGAAAGCTGGGACTCCATGATTTTTG
ACCACTTCCACTCCCTTGCCATCCGAGGTGACATGCCAATCAGATTGTGCAGATCTTGA
CCCAGGATCATGGCATGGAATTAATATGTTGCTTTGGCAACACCAGTTGGGACAGAAGCC
TTCTGCTCTTCAGGGCAAACAAACCATAGAGACTCATCCAATCCCTGAATCACTGATAG
AAAAAGGGAAAAGAAAAGAACAGATTAAGTTTCCAGAAGCAGTGAGATGGGAGGGCAAGAA
GACCAAGAAAGATATTGAAAGGGTTTTATATTGAGAATTATGTTCACTTCTCCTAATTCC
TTAAACAATCAGGCAGCCGAAAACCTGGCAGGAGCTTTTGGTAAAATGTCCAAGGCACAT
AATTGAAAGAATCAGTATCTGTTCCCATTTGTTTGGAAACAAATCTTGAGGAGAATGAATC
TGTGGAGTGATGAGCTAGGATATCTGGATTGAGATGGCCTAGGAAAAGTGGTCTGGTTA
TGGGTTATGGAGAGGGCTGCTTTTGGGGATTATTTATAAAGATCAGACTAGGCTAGTCTT
AAAATATGTCAGTTTCTGGGCTCTCTGAATCCTACCTGGTTTCTTCAGGCTTCTGGACTT
GCTAGGCTGCCTTTGGGCAAACCTTAGTAATCAGGCTGGAATGGGGCTTAGGAATC
TATTTTCTGTTTTTTGTTTGTGTTTTGTCATTCTTCTATTGTAATATACATAAAAA
TTTACCATTTAAACCGTTTTTAAGTACAGTTTTTCAGAACGTGGAATCCCATCAAAAAAT
TGGATTAATAAAATTAAGATAAATTGATAATTTTTTAAAAAAAAAAAAAAAAAAAA

```



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_181708 unedited</p> <pre> GTTTTGATTTGTATACGACTTACTATAGGCGGCCGCGATTAGATCTGGTACCGGTCCGG AATTCCCAGGATATCGTCGACCCACGCGTCCGGGCTAATGGCGGTGCCACGGAAGTGA TGGAGGGAGTGTAAAGGAGACCGCAGCGGAAGAGGAATCGCGAGTTCTGGCACCTGGCGC CGCCCCGTTCCGAAATTTTCTCATTATTCTCGTTCCACCCTCCGGAGCAACGGCTCCG CCTCCTGCCCCCGAGCTGCTTCGACAGCTCTTTCCTGAGAGTCCCGAGAACGGGCGCAT TCTGGGGCTCGACGTGGGGTGTAACTCCGGGGATCTGAGTGTGGCTCTATACAAACACTT CCTCTCCCTACCTGACGGGGAAACCTGCTCAGATGCCTCAAGAGAATTCCGTCTCCTCTG CTGCGACATAGATCCAGTCTGGTGAAGCGAGCCGAAAAAGAATGTCCTTTTCTGATGC CTTGACTTTTATCACCTGGACTTCATGAATCAAAGGACCCGGAAGTTCTCTTGAGCTC TTTCTTAAGCCAATTTGGACGTTTTCAGTTTTTACATTGGCTTCTGCATGTCAATAACCAT GTGGATTCATCTGAATCATGGAGACCATGGCCTATGGGAGTTCCTGGCCATCTTTCCTC CCTCTGCCACTACCTNCTGTGGAGCCCCAACCTGGNAAGTGTACCGGGCAGCTGCAAG GCGTCTCCGANAGCTGGGACTCCATGATTTTGACCACTNCACTNCCTTGCCATNNGCAG TGACATGCCCAATCAGATTGTGCAGATCTTGACCCAGATCATGGCATGGAATTNATATG NNTGCTTNNGCACACCAGTGGGACAGAAGCCTTCTGCTCTNCAGGGCAAACAACATAGA GACTCTTCCATCCCCTGATACC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_181708
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_181708.1 , NP_859059.1
RefSeq Size:	1495 bp
RefSeq ORF:	879 bp
Locus ID:	144233
UniProt ID:	Q7Z5W3
Cytogenetics:	12q13.12

Gene Summary:

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. [provided by RefSeq, Apr 2017]