

Product datasheet for **SC218471**

BCDIN3D (NM_181708) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	BCDIN3D (NM_181708) Human 3' UTR Clone
Symbol:	BCDIN3D
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_181708
Insert Size:	2000 bp



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Insert Sequence:

>SC218471 3'UTR clone of NM_181708

The sequence shown below is from the reference sequence of NM_181708. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGAACAGATTAAGTTTCCAGAAGCAGTGAGATGGGAGGGCAAGAAGACCAAGAAAGATATTGAAAGGG
TTTTATATTGAGAATTATGTTTCATTCTCCTTAATTCTTAACAATCAGGCAGCCGAAAACCTGGCAGG
AGCTTTTGGTAAAATGTCCAAGGCACATAATTGAAAGAATCAGTATCTGTTCCCCATTGTTTGGAAACAA
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GTCCTGGTTATGGGTTATGGAGAGGGCTGCTTTTGGGGATTATTTATAAAGATCAGACTAGGCTAGTCT
TAAATATGTCAGTTCCTGGGCTCTCTGAATCCTACCTGGTTTCTTCAGGCTTCTGGACTTGCTAGGCC
TGCCTTTGGGCAAAACCTTAGTAATTCAGGCTGGAATGGGGCTTAGGAATCTATTTTCTGTTTTTTTG
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CAGTTTTTTCAGAACGTGGAATCCCATCAAAAATTTGGATTAATAAATTAAGATAAATTGATAATTTT
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CAGATGATTCTGAGGCAAGCAGAGGTAGACCATACTTTGAGTGCTTACGGTTCCATTTCAGTCCTTCTCT
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CATCCCGGCTAAAACGGTGAAACCCCGTCTCTACTAAAAATACAAAAATTAGCCGGGCGTAGTGGCGG
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AAAAAAAAAAAAACAAAAAAAAAAAAACAACCTACCTACATGCTTATGGTCCCAATATATTGGTAGCCGAC
ATCCACAGTTCAGACTAGCATTTCCTGTTTTGTCATTATATCCCTTAGTTCTTAGGTACATCAGAA
TCAACAGATCTCAAAAGCAAGCTCACTACCCTCATTCAAAACCTAGTCCTATCTCATTTGATAGTAATC
ATTGCTTATGCTAGAAACCTCAGTTGATTTTCTCACTTACACTCCCCACATTGAAATGCTCTCAAAGT
CCAGCAGCAAATCTATCAATTACATGTAAGTTTTCATTCCATACATGTGTCGGTGCCTGGTGGGAGGT
TCCTATATTAAGTCATCTACCTCCATCCATTGTCTGCCTTACAGCCACAGTTTACTCATCTGTACAA
CGAAATAACACCCTTTCTTTTCTATGCCCAAATGAGCTAAGGATGTGAAGGTATTTTGCAGAATAT
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GTTTTTTCAGGATGATGAAGTAATAAGGAGTCCAGCTTCAGTGCTACAGAGCATTTTAAAGGAAGCAGTG
TTGGGAGGGAGGGATATGGAACCTAATGGAATGAGGCTAGTTTATGATGGTCTCAGTTATCACAGTAGA
TACAGAGCTGAGTTTACCACAAGATCTTAATTTAGGAACACTTTGAAACCCTGTAAACCCTGCTGGGTG
CTCTCTCTCTCACTCCACCAAGGCAGCGCACAGAAACATACATGGGGCTGTGGTAGGATGAATAATG
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
    
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Restriction Sites:

Sgfl-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

[NM_181708.3](#)

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]

Locus ID:

144233

MW:

76.9