

# Product datasheet for AR50601PU-S

# BCDIN3D (1-292, His-tag) Human Protein

## **Product data:**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Recombinant Proteins
Description:	BCDIN3D (1-292, His-tag) human recombinant protein, 50 μg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMAVPTEL DGGSVKETAA EEESRVLAPG AAPFGNFPHY SRFHPPEQRL RLLPPELLRQ LFPESPENGP ILGLDVGCNS GDLSVALYKH FLSLPDGETC SDASREFRLL CCDIDPVLVK RAEKECPFPD ALTFITLDFM NQRTRKVLLS SFLSQFGRSV FDIGFCMSIT MWIHLNHGDH GLWEFLAHLS SLCHYLLVEP QPWKCYRAAA RRLRKLGLHD FDHFHSLAIR GDMPNQIVQI LTQDHGMELI CCFGNTSWDR SLLLFRAKQT IETHPIPESL IEKGKEKNRL SFQKQ
Tag:	His-tag
Predicted MW:	35 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 1 mM DTT, 2 mM EDTA
Preparation:	Liquid purified protein
Protein Description:	Recombinant human BCDIN3D protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 859059</u>
Locus ID:	144233
UniProt ID:	<u>Q7Z5W3</u>
Cytogenetics:	12q13.12

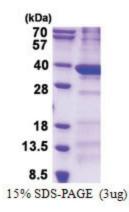


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### **GRIGENE** BCDIN3D (1-292, His-tag) Human Protein – AR50601PU-S

Summary:This gene encodes an RNA methyltransferase which belongs to the rossmann fold<br/>methyltransferase family, and serves as a 5'-methylphosphate capping enzyme that is<br/>specific for cytoplasmic histidyl tRNA. The encoded protein contains an S-<br/>adenosylmethionine binding domain and uses the methyl group donor, S-<br/>adenosylmethionine. This gene is overexpressed in breast cancer cells, and is related to the<br/>tumorigenic phenotype and poor prognosis of breast cancer. The encoded protein is thought<br/>to promote the cellular invasion of breast cancer cells, by downregulating the expression of<br/>tumor suppressor miRNAs through the dimethylation of the 5-monophosphate of the<br/>corresponding precursor miRNAs. [provided by RefSeq, Apr 2017]

## **Product images:**



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