

Product datasheet for **AR50601PU-S**

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

Product data:

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 MGSMVPTTEL DGGSVKETAA EEESRVLAPG AAPFGNFPHY SRFHPPEQRL RLLPPELLRQ LPESPENGP ILGLDVGCNS GDLSVALYKH FLSLPDGETC SDASREFRLL CCDIDPVLVK RAEKECPFPD ALTFITLDFM NQRTRKVLSS SFLSQFGRSV FDIGFCMSIT MWIHLNHGDH GLWEFLAHL SLCYLLVEP QPWKCYRAAA RRLRKLGLHD FDHFHSLAIR GDMPNQIVQI LTQDHGMELI CCFGNTSWDR SLLLFRKQQT IETHPIPEL 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:	NP_859059
Locus ID:	144233
UniProt ID:	Q7Z5W3
Cytogenetics:	12q13.12



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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]

Product images: