

Product datasheet for PH308818

BCDIN3D (NM_181708) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BCDIN3D MS Standard C13 and N15-labeled recombinant protein (NP_859059)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208818
Predicted MW:	33.2 kDa
Protein Sequence:	>RC208818 protein sequence Red=Cloning site Green=Tags(s)
	MAVPTELDGGSVKETAEEEESRVLAPGAAPFGNFPHYSRFHPPEQRLRLLPPELLRQLFPESPENGPILG LDVGCNSGDL SVALYKHFLSLPDGETCSDASREFRLLCCDIDPVLVKRAEKECPFPDALTFITLDFMNQR TRKVLSSFLSQFGRSVFDIGFCSITMWIHLNHGDHGLWEFLAHLSSLCHYLLVEPQPWKCYRAAARRL RKLGLHDFDHFHSLAIRGMPNQIVQILQDHGMELICCFGNTSWDRSLLLFRKQTIETHPIPESLIEK GKEKNRLSFQKQ
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_859059
RefSeq Size:	3266
RefSeq ORF:	876
Locus ID:	144233
UniProt ID:	Q7Z5W3

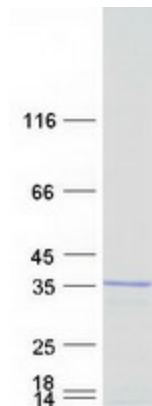


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Cytogenetics: 12q13.12

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:



Coomassie blue staining of purified BCDIN3D protein (Cat# [TP308818]). The protein was produced from HEK293T cells transfected with BCDIN3D cDNA clone (Cat# [RC208818]) using MegaTran 2.0 (Cat# [TT210002]).