

Product datasheet for PH318807

BICD1 (NM_001714) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BICD1 MS Standard C13 and N15-labeled recombinant protein (NP_001705)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218807
Predicted MW:	110.6 kDa
Protein Sequence:	>RC218807 representing NM_001714 Red=Cloning site Green=Tags(s)

MAAEVLQTVVDHYKTEIERLTKELTETTHEKIQAAEYGLVVLEEKLTCLKQYDELEAEYDSLKQELEQLK
EAFGQSFSIHRKVAEDGETREETLLQESASKEAYLKGILEMQNELKQSRVVTNVQAENERLTAVVQDL
KENNEMVELQIRMKDEIREYKFREARLLQDYTELEENITLQKLVTCLKQNVYEGLKHEIKRFEET
VLLNSQLEDAIRLKEIAEHQLEEALETKNEREQKNNLRKELSQYISLNDNHISISVDGLKFAEDGSEPN
NDDKMNGHIHGPLYKLNQDYRTPTLRKGESLNPVSDLFSELNISEIQKLKQQLMQVEREKAILLANLQES
QTQLEHTKGALTEQHERVHRLTEHVNAMRGLQSSKELKAELDGEKGRDSGEEAHYEVNDINGLEILECKY
RVAVTEVIDLKAIEKALKEKYNKSVENYDEKAKYESKIQMYDEQVTSLEKTTKESGEKMAHMEKELQKM
TSIANENHSTLNTAQDELVTFSLELAQLYHHVCLCNNETPNRVMLDYYRQSRVTRSGSLKGPDDPRGLLS
PRLARRGVSSPVETRTSSEPVAKESTEASKEPSPTKPTISPVITAPPSSPVLDTSIRKEPMNIYNLNA
IIRDQIKHLQKAVDRSLQLSRQAAARELAPMIDKDKEALMEEILKLKSLSTKREQIATLRAVLKANKQ
TAEVALANLKNKYENKAMVTETMTKLRLNELKALKEDAATFSSLRAMFATRCDEYVTLDEMQRQLAAAE
DEKKTLLNTLLRMAIQQLALTLQLEDLEFDHEQSRRSGKLGKSKIGSPKVSGEASVTPTIDTYLLHSQ
GPQTPNIRVSSGTQRKRQFSPSLCDQSRPRTSGASYLQNLRLVPPDPTSTESFLLKGPPSMSEFIQGHRL
SKEKRLTVAPPDCQQAASVPPQCSQLAGRQDCPTVSPDTALPEEQPHSSSQCAPLHCLSKPPHP

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.

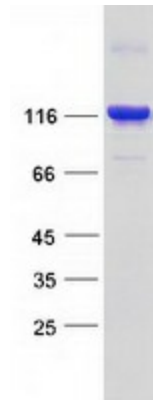


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RefSeq: [NP_001705](#)
 RefSeq Size: 3589
 RefSeq ORF: 2925
 Synonyms: bic-D 1; BICD
 Locus ID: 636
 UniProt ID: [Q96G01](#)
 Cytogenetics: 12p11.21

Summary: This gene encodes an adaptor protein that belongs to the bicaudal D family of dynein cargo adaptors. The encoded protein acts as an intracellular cargo transport cofactor that regulates the microtubule-based loading of cargo onto the dynein motor complex. It also controls dynein motor activity and coordination. It has a domain architecture consisting of coiled-coil domains at the N- and C-termini that are highly conserved in other family members. Naturally occurring mutations in this gene are associated with short telomere length and emphysema. [provided by RefSeq, Aug 2017]

Product images:



Coomassie blue staining of purified BICD1 protein (Cat# [TP318807]). The protein was produced from HEK293T cells transfected with BICD1 cDNA clone (Cat# [RC218807]) using MegaTran 2.0 (Cat# [TT210002]).