

Product datasheet for **TP318807M**

BICD1 (NM_001714) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human bicaudal D homolog 1 (Drosophila) (BICD1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218807 representing NM_001714 Red =Cloning site Green =Tags(s)

MAAEVLQTVDHYTEIERLTKELTETTHEKIQAAEYGLVLEEKLTQKQYDELEAEYDSLKQELEQLK
EAFGQSFSIHRKVAEDGETREETLLQESASKEAYLGKILEMQNELKQSRVVTNVQAENERLTAVVQDL
KENNEMVELQRIRMKDEIREYKFREARLLQDYTELEENITLQKLVSTLKQNVVEYGLKHEIKRFEET
VLLNSQLEDAIRLKEIAEHQLEEALETKNEREQKNNLRKELSQYISLNDNHISISVDGLKFAEDGSEPN
NDDKMNGHIHGPLYKLNQDYRTPTLRKGESLNPVSDLFSELNISEIQKLKQQLMQVEREKAILLANLQES
QTQLEHTKGALTEQHERVHRLTEHVNAMRGLQSSKELKAELDGEKGRDSGEEAHDYEDDINGLEILECKY
RVAVTEVIDLKAIEKALKEKYNKSVENYTDKAKYESKIQMYDEQVTSLEKTTKESGEKMAHMEKELQKM
TSIANENHSTLNTAQDELVTSEELAQLYHHVCLCNNETPNRVMLDYRQSRVTRSGSLKGPDDPRGLLS
PRLARRGVSSPVETRTSSEPVAKESTEASKEPSPTKTPTISPVITAPPSSPVLDTSDIRKEPMNIYNLNA
IIRDQIKHLQKAVDRSLQSLRQRAAARELAPMIDKDKEALMEEILKLKSLSTKREQIATLRAVLKANKQ
TAEVALANLKNKYENKAMVTETMTKLRLNELKALKEDAATFSSLRAMFATRCDEYVTQLDEMQRQLAAAE
DEKKTLLNTLLRMAIQKLALTQRLEDLEFDHEQSRRSKGKLGKSKIGSPKVSGEASVTVPIDTYLLHSQ
GPQTPNIRVSSGTQRKRQFSPSLCDQSRPRTSGASYLQNLRLVPPDPTSTESFLLKGPPSMSEFIQGHRL
SKEKRLTVAPPDCQQPAASVPPQCSQLAGRQDCPTVSPDTALPEEQPHSSSQCAPLHCLSKPPHP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

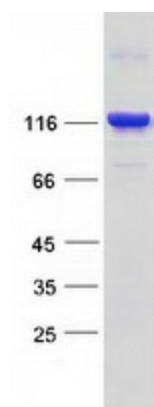
Tag:	C-Myc/DDK
Predicted MW:	110.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001705</u>
Locus ID:	636
UniProt ID:	<u>Q96G01</u>
RefSeq Size:	3589
Cytogenetics:	12p11.21
RefSeq ORF:	2925
Synonyms:	bic-D 1; BICD
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]).