

Recombinant Human BICD1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BICD1-2280H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BICD1 MS Standard C13 and N15-labeled recombinant protein (NP_001705) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	110.6 kDa
AA Sequence	MAAEEVLQTVDHYTEIERLTKELTETTHEKIQAAEYGLVVLEEKLTLLKQYDELEAE YDSLKQELEQLKEAFGQSFSIHRKVAEDGETREETLLQESASKEAYYLGKILEMQNE LKQSRVVVTNVQAENERLTAVVQDLKENNEMVELQRIRMKDEIREYKFREARLLQD YTELEEEENITLQKLVTSLKQNVVEYGLKHEIKRFEETVLLNSQLEDAIRLKEIAEHQ LEEALETLKNEREQKNNLRKELSQYISLNDNHISISVDGLKFAEDGSEPNNDCKMNG HIHGPLVKLNGDYRTPTLRKGESLNPVSDLFSELNISEIQKLKQQLMQVEREKAILLA

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NLQESQTQLEHTKGALTEQHERVHRLTEHVNAMRGLQSSKELKAELDGEKGRDSEG
EEAHDYEVNDINGLEILECKYRVAVTEVIDLKAEIKALKEKYNKSVENYTDEKAKYESKI
QMYDEQVTSLEKTTKESGEKMAHMEKELQKMTSIANENHSTLNTAQDELVTFSEEL
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PVETRTSSEPVAKESTEASKEPSPTKTPTISPVITAPPSSPVLDTSIRKEPMNIYNLN
AIIRDQIKHLQKAVDRSLQLSRQRAAARELAPMIDKDKEALMEEILKLKSLSTKREQI
ATLRAVLKANKQTAEVALANLKNKYENEKAMVTETMTKLRLNELKALKEDAATFSSLR
AMFATRCDEYVTQLDEMQRQLAAAEDEKKTLLTLLRMAIQKQLALTQRLEDLEFDH
EQSRRSKGKLGKSKIGSPKVSGEASVTVPIDTYLLHSQGPQTPNIRVSSGTQRKRQ
FSPSLCDQSRPRTSGASYLQNLRRVPPDPTSTESFLLKGPPSMSEFIQGHRLSKEKR
LTVAPPDCQQPAASVPPQCSQLAGRQDCPTVSPDTALPEEQPHSSSQCAPLHCLS
KPPHPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	BICD1 BICD cargo adaptor 1 [Homo sapiens (human)]
Official Symbol	BICD1
Synonyms	Bic-D 1; Bicaudal D homolog 1; BICD; Bcd1; BICD1_HUMAN; Cytoskeleton like

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bicaudal D protein homolog 1; Protein bicaudal D homolog 1; BICD1

Gene ID [636](#)

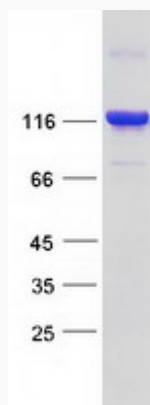
mRNA Refseq [NM_001714](#)

Protein Refseq [NP_001705](#)

MIM [602204](#)

UniProt ID [Q96G01](#)

SDS-PAGE



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