

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

Cat. No. DTNA-546H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DTNA MS Standard C13 and N15-labeled recombinant protein (NP_116761) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene belongs to the dystrobrevin subfamily of the dystrophin family. This protein is a component of the dystrophin-associated protein complex (DPC), which consists of dystrophin and several integral and peripheral membrane proteins, including dystroglycans, sarcoglycans, syntrophins and alpha- and beta-dystrobrevin. The DPC localizes to the sarcolemma and its disruption is associated with various forms of muscular dystrophy. Mutations in this gene are associated with left ventricular noncompaction with congenital heart defects. Multiple alternatively spliced transcript variants encoding different isoforms have been identified for this gene.
Molecular Mass	58.7 kDa
AA Sequence	MIEDSGKRGNTMAERRQLFAEMRAQDLDRIRLSTYRTACKLRFVQKKCNLHLVDIW NVIEALRENALNNLDPNTELNVSRL EAVLSTIFYQLNKRMP TTHQIHVEQSISLLLNFL LAAFDPEGHGKISVFAVKMALATLCGGKIMDKLRYIFSMISDSSGVMVYGRYDQFLR EVLKLPTAVFEGPSFGYTEQSARSCFSQKKVTLNGFLDTLMSDPPPQCLVWLPLL

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HRLANVENVFHPVECSYCHSESMGFRYRCQQCHNYQLCQDCFWRGHAGGSHS
 NQHQMKEYTSWKSPAKKLTNALSLSLSCASSREPLHPMFDPQPEKPLNLAHIVDTW
 PPRPVTSMNDTLFSHSVSSGSPFITRSMLESSNRLDEEHRLIARYAARLAAESSSS
 QPPQQRSAPDISFTIDANKQQRQLIAELENKNREILQEIQRLRLEHEQASQPTPEKAQ
 QNPTLLAELRLLRQRKDELEQRMALQESRRELMVQLEGLMKLLKEEELKQGVSYV
 PYCRSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 DTNA dystrobrevin alpha [Homo sapiens (human)]

Official Symbol DTNA

Synonyms DTNA; dystrobrevin, alpha; dystrobrevin alpha; D18S892E; DRP3; DTN; DTN 1; DTN 2; DTN 3; dystrophin related protein 3; dystrophin-related protein 3; DTN-A; LVNC1; FLJ96209;

Gene ID 1837

mRNA Refseq NM_032979

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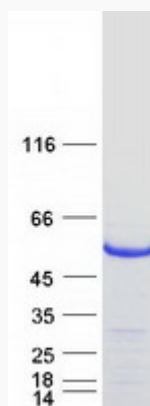
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Protein Refseq NP_116761

MIM 601239

UniProt ID Q9Y4J8

SDS-PAGE



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