

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

Cat. No. DTNA-6227H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DTNA MS Standard C13 and N15-labeled recombinant protein (NP_001381) 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	83.9 kDa
AA Sequence	MIEDSGKRGNTMAERRQLFAEMRAQDLDRIRLSTYRTACKLRFVQKKCNLHLVDIW NVIEALRENALNNLDPNTELNVSRL EAVLSTIFYQLNKRMP TTHQIHVEQSISLLLNFL LAAFDPEGHGKISVFAVKMALATLCGGKIMDKLRYIFSMISDSSGVMVYGRYDQFLR EVLKLPTAVFEGPSFGYTEQSARSCFSQKKVTLNGFLDTLMSDPPPQCLVWLPLL

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HRLANVENVFHPVECSYCHSESMGFRYRCQQCHNYQLCQDCFWRGHAGGSHS
 NQHQMKEYTSWKSPAKKLTNALSLSLSCASSREPLHPMFPDQPEKPLNLAHIVDTW
 PPRPVTSMNDTLFSHVPSSGSPFITRSSPPKDSEVEQNKLLARAAPAFKKGKGIQY
 SLNVADRLADEHVLIGLYVNMLRNNPSCMLESSNRLDEEHRLIARYAARLAAESSSS
 QPPQQRSAPDISFTIDANKQQRQLIAELENKNREILQEIQRLRLEHEQASQPTPEKAQ
 QNPTLLAELRLLRQRKDELEQRMALQESRRELMVQLEGLMKLLKTQGAGSPRSSP
 SHTISRPIPMPIRSASACSTPTHTPQDSLTVGGDVQEAFAQSSRRNLRNDLLVAAD
 SITNTMSSLVKELNSEVGSETESNVDFEFARTQFEDLVPSPTSEKAFLAQIHARKPG
 YIHSGATTSTMRGDMVTEDADPYVQPEDENYENDSVRQLENELQMEEYLKQKLQD
 EAYQVSLQGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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;

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Gene ID	1837
mRNA Refseq	NM_001390
Protein Refseq	NP_001381
MIM	601239
UniProt ID	Q9Y4J8
SDS-PAGE	