

Recombinant Human DTNA Protein, His-tagged

Cat. No. DTNA-1391H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DTNA Protein (Met1-Glu288) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Glu288
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.8 kDa Accurate Molecular Mass: 36 kDa
Purity	> 90%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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_001128175
Protein Refseq	NP_001121647

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MIM	601239
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UniProt ID	Q9Y4J8
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