



# Recombinant Human Dystrobrevin beta (DTNB)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-BP007217HU  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | O60941  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | MIEESGNKRK TMAEKRQLFI EMRAQNFDVI RLSTYRTACK LRFVQKRCNL<br>HLVDIWNMIE AFRDNGLNLT DHTTEISVSR LETVISSIIY QLNKRLPSTH<br>QISVEQSISL LLNFMIAAYD SEGRGKLTVF SVKAMLATMC GGMMLDKLRY<br>VFSQMSDSNG LMIFSKFDQF LKEVLKLPTA VFEGPSFGYT EHSVTRCFPQ<br>QRKIMLNMFL DTMMADPPPQ CLVWLPLMHR LAHVENVFHP VECSYCRCES<br>MMGFYRCQQ CHNYQLCQNC FWRGHAGGPH SNQHQMKEHS<br>SWKSPAKKLS HAISKSLGCV PTREPPHPVF PEQPEKPLDL AHIVPPRPLT<br>NMNDTMVSHM SSGVPTPTKR LQYSQDIPSH LADEHALIAS YVARLQHCAR<br>VLDSPSRLDE EHRLIARYAA RLAAEAGNVT RPPTDLSFNF DANKQQRQLI<br>AELENKNREI LQEIQLRLE HEQASQPTPE KAQQNPTLLA ELRLLRQRKD<br>ELEQRMSALQ ESRRELMVQL EELMKLLKEE EQKQAAQATG SPHTSPTHGG<br>GRPMPMPVRS TSAGSTPTHG PQDSLSGVGG DVQEFAAQT<br>RRNLRNDLLV AADSITNTMS SLVKELHSAE EGAEIEEEEKM QNGKDRG |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | DTNB  |
| <b>Protein Names</b>     | Recommended name: Dystrobrevin beta Short name= DTN-B Alternative name(s): Beta-dystrobrevin  |
| <b>Expression Region</b> | 1-627   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full length protein   |
| <b>Target Details</b>    | This gene encodes dystrobrevin beta, a component of the dystrophin-associated protein complex (DPC). The DPC consists of dystrophin and several integral and peripheral membrane proteins, including dystroglycans, sarcoglycans, syntrophins and dystrobrevin alpha and beta. The DPC localizes to the sarcolemma and its disruption is associated with various forms of muscular dystrophy. Dystrobrevin beta is thought to interact with syntrophin and the DP71 short form of dystrophin. Alternatively spliced transcript variants encoding different isoforms have been identified.   |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final   |



concentration) and aliquot for long-term storage at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ . Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ . The shelf life of lyophilized form is 12 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ .