

# Recombinant Human DTNBP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** DTNBP1-2303H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | DTNBP1 MS Standard C13 and N15-labeled recombinant protein (NP_115498) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. A similar protein in mouse is a component of a protein complex termed biogenesis of lysosome-related organelles complex 1 (BLOC-1), and binds to alpha- and beta-dystrobrevins, which are components of the dystrophin-associated protein complex (DPC). Mutations in this gene are associated with Hermansky-Pudlak syndrome type 7. This gene may also be associated with schizophrenia. Multiple transcript variants encoding distinct isoforms have been identified for this gene. |
| <b>Molecular Mass</b>   | 39.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MLETLRERLLSVQQDFTSGLKTLSDKSREAKVKSKPRTVPFLPKYSAGLELLSRYED<br>TWAALHRRRAKDCASAGELVDSEVVMLSAHWEKKKTSLEVELQEQLQQLPALIADLES<br>MTANLTHLEASFEEVENLLHLEDLCGQCELERCKHMQSQQLENYKKNKRKELET<br>KAELDAEHAQKVLEMEHTQQMKLKERQKFFEEAFQQDMEQYLSTGYLQIAERREPI<br>GSMSSMEVNVDMLEQMDLMDISDQEALDVFLNSGGEENTVLSPALGPESSTCQNEI                                                                                                                                                                                                                                                                                                                            |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

TLQVPNPSELRAKPPSSSSTCTDSATRDISEGGESPVVQSDEEEVQVDTALATSHTD  
REATPDGGEDSDSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**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** DTNBP1 dystrobrevin binding protein 1 [ Homo sapiens (human) ]

**Official Symbol** DTNBP1

**Synonyms** DTNBP1; dystrobrevin binding protein 1; dysbindin; DBND; Dysbindin; HPS7; My031; dysbindin-1; hermansky-Pudlak syndrome 7 protein; SDY; FLJ30031; MGC20210; DKFZp564K192;

**Gene ID** 84062

**mRNA Refseq** NM\_032122

**Protein Refseq** NP\_115498

**MIM** 607145

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

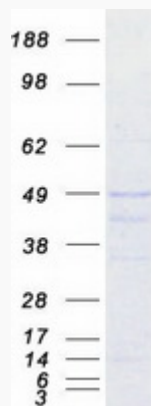
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UniProt ID

Q96EV8

SDS-PAGE

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