

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

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

SPECIFICATION

Product Overview	DTNBP1 MS Standard C13 and N15-labeled recombinant protein (NP_115498) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	39.5 kDa
AA Sequence	MLETLRERLLSVQQDFTSGLKTLSDKSREAKVKSKPRTVPFLPKYSAGLELLSRYED TWAALHRRRAKDCASAGELVDSEVVMLSAHWEKKKTSLEVELQEQLQQLPALIADLES MTANLTHLEASFEEVENLLHLEDLCGQCELERCKHMQSQQLENYKKNKRKELET KAELDAEHAQKVLEMEHTQQMKLKERQKFFEEAFQQDMEQYLSTGYLQIAERREPI GSMSSMEVNVDMLEQMDLMDISDQEALDVFLNSGGEENTVLSPALGPESSTCQNEI

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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

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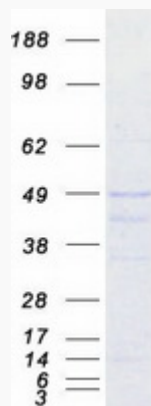
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UniProt ID

Q96EV8

SDS-PAGE

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