

Recombinant Human DTNBP1, His-tagged

Cat. No. DTNBP1-26457TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 1-270 of Human Dysbindin fused to His tag at N-terminal; 307 amino acids, 34.6 kDa.
Species	Human
Source	E.coli
ProteinLength	1-270 a.a.
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.
Conjugation	HIS
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 20mM Tris HCl, 100mM Sodium

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chloride, 0.5mM DTT, pH 8

Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Sequences of amino acids

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMLSL AHWEKKKTSL
VELQEQLQQL PALIADLESM TANLTHLEAS FEEVENNLLH LEDLCGQCEL
ERCKHMQSQQ LENYKKNKRK ELETFAELD AEHAQKVLEM EHTQQMKLKE
RQKFFEEAFQ QDMEQYLSTG YLQIAERREP IGSMSSMEVN VDMLEQMDLM
DISDQEALDV FLNSGGEENT VLSPALGPES STCQNEITLQ VPNPSELRAK
PPSSSSTCTD SATRDISEGG ESPVVQSDEE EVQVDTALAT
SHTDREATPDGGEDSDS

GENE INFORMATION

Gene Name

DTNBP1 dystrobrevin binding protein 1 [Homo sapiens]

Official Symbol

DTNBP1

Synonyms

DTNBP1; dystrobrevin binding protein 1; dysbindin; DBND; Dysbindin; HPS7; My031;

Gene ID

84062

mRNA Refseq

NM_032122

Protein Refseq

NP_115498

MIM

607145

Uniprot ID

Q96EV8

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Chromosome Location	6p22.3
Pathway	Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem; trans-Golgi Network Vesicle Budding, organism-specific biosystem;
Function	protein binding;

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