

Recombinant Human DTNBP1, His-tagged

Cat. No. DTNBP1-26932TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-351 of Human Dysbindin with an N terminal His tag. Predicted mwt: 40 kDa;
Species	Human
Source	E.coli
ProteinLength	1-351 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	Lyophilised:Reconstitution with 85 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MLETLRERLLSVQQDFTSGLKTLSDKSREAKVKSKPRTVP FLPKYSAGLELLSRYED TWAALHRRRAKDCASAGELVDS EVVMLSAHWEKKKTSLEVELQEQQLPALIADLES MTA NLTHLEASFEEVENNLLHLEDLCGQCELERCKHMQSQQ LENYKKNKRKELET FKAELDAEHAQKVLEMEHTQQMKLKE RQKFFEEAFQQDMEQYLSTGYLQIAERRE PIGSMSSME VNVDMLEQMDLMDISDQEALDVFLNSGGEENTVLSPAL GPESSTCQ NEITLQVPNPSELRAKPPSSSSTCTDSATR DISEGGESPVVQSDEEEVQVDTALATS HTDREATPDGG ESDS
Full Length	Full L.
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
Chromosome	6p22.3

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Location	
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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