

Recombinant Full Length Human DTNBP1 Protein, GST-tagged

Cat. No. DTNBP1-4063HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DTNBP1 full-length ORF (NP_115498.2, 1 a.a. - 351 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	351 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	65.9 kDa
AA Sequence	MLETLRERLLSVQQDFTSGLKTLSDKSREAKVKSKPRTVPFLPKYSAGLELLSRYED TWAALHRRRAKDCASAGELVDSEVVMLSAHWEEKKTSLEVELQEQLQQLPALIADLES MTANLTHLEASFEEVENLLHLEDLCGQCELERCKHMQSQQLENYKKNKRKELET KAELDAEHAQKVLEMEHTQQMKLKERQKFFEEAFQQDMEQYLSTGYLQIAERREPI GSMSSMEVNVDMLEQMDLMDISDQEALDVFLNSGGEENTVLSPALGPESSTCQNEI

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	TLQVPNPSELRAKPPSSSSTCTDSATRDISEGGESPVVQSDEEEVQVDTALATSHTD REATPDGGEDSDS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; 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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UniProt ID

Q96EV8

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