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**Product Data Sheet**


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Product Name: DTNBP1 Human  
 Cat. No.: GP23342  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Dysbindin; SDY; DBND; HPS7; My031; FLJ30031; MGC20210; DKFZp564K192; Dystrobrevin-binding protein 1; Hermansky-Pudlak syndrome 7 protein homolog; Hps7-like protein; DTNBP1.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHTMLS AHWEKKKTSL VELQEQLQQL PALIADLESM TANLTHLEAS FEEVENLLHLEDLCGQCEL ERCKHMQSQQ LENYKKNKRK ELETFKAELED AEHAQKVLEM EHTQQMKLKE RQKFFEEAFQ QDMEQYLSTG YLQIAERREP IGSMSSMEVN VDMLEQMDLM DISDQEALDV FLNSGGEENT VLSPALGPES STCQNEITLQ VPNPSELRAK PPSSSSTCTD SATRDISEGG ESPVVQSDEE EVQVDTALAT SHTDREATPD GGEDSDS.		
Formulation	The DTNBP1 solution contains 20mM Tris pH-8, 0.5mM DTT, 0.1M NaCl, and 20% glycerol.		

**Introduction**

DTNBP1 is involved in organelle biogenesis connected with melanosomes, platelet dense granules, and lysosomes. An analogous protein in murine is a part of a protein complex called BLOC-1, and connects to alpha- and beta-dystrobrevins, which are factors of the dystrophin-associated protein complex (DPC). Mutations in DTNBP1 gene are associated with Hermansky-Pudlak syndrome type 7. DTNBP1 gene may also be associated with schizophrenia.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

DTNBP1 Human Recombinant fused to 37 a.a. N-terminal His-Tag produced in E.Coli is a single, non-glycosylated polypeptide chain containing 307 amino acids (1-270a.a.) and having a molecular mass of 34.6 kDa.

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