

DTNBP1 Human

Description: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.

Catalog #:PRPS-682

For research use only.

Synonyms:Dysbindin, SDY, DBND, HPS7, My031, FLJ30031, MGC20210, DKFZp564K192, Dystrobrevin-binding protein 1, Hermansky-Pudlak syndrome 7 protein homolog, Hps7-like protein, DTNBP1.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMLS
AHWEKKKTSL VELQEQLQQL PALIADLESM TANLTHLEAS FEEVENLLHLEDLCGQCEL
ERCKHMQSQQ LENYKKNKRK ELETFAELD AEHAQKVLEM EHTQMKLKE RQKFEEAFQ
QDMEQYLSTG YLQIAERREP IGSMSMEVN VDMLEQMDLM DISDQEALDV FLNSGGEENT
VLSPALGPES STC

Purity:Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The DTNBP1 solution contains 20mM Tris pH-8, 0.5mM DTT, 0.1M NaCl, and 20% glycerol.

Stability:

DTNBP1 although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Usage:

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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.

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