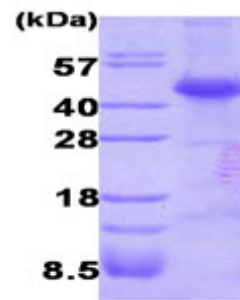


AR09155PU-N**Recombinant human DTNBP1 (aa 1-270), His-tagged**

Alternate names:	DTNBP1, Dystrobrevin-binding protein 1, Hermansky-Pudlak syndrome 7 protein homolog, Hps7-like protein, My031
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	DTNBP1 (Dysbindin) is a ubiquitously expressed protein that binds to alpha- and beta-dystrobrevins, components of the dystrophin-associated protein complex (DPC) in both muscle and nonmuscle cells. Dysbindin has been strongly implicated in schizophrenia (SZ) susceptibility by a series of independent genetic association and gene expression studies. Among its known functions, dysbindin is part of a protein complex, termed the biogenesis of lysosome-related organelles complex 1 (BLOC-1), the molecular components of which might be involved in the regulation of vesicular trafficking and dendrite branching. Dysbindin effects for brain volume and cortical thickness appear driven by different neurobiological processes.
Uniprot ID:	Q96EV8
NCBI:	NP_115498
GenelD:	84062
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 100 mM NaCl, 0.5 mM DTT, 20% glycerol
Description:	Recombinant human Dysbindin protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MRGSHHHHHH GMASMTGGOO MGRDLYDDDD KDRWGSMLLS AHWEKKKTSLS VELQEQLQQL PALIADLESM TANLTHLEAS FEEVENLLH LEDLCGQCEL ERCKHMQSQQ LENYKKNKRK ELETFKAELE AEHAQKVLEM EHTQQMKLKE RQKFFEEAFQ QDMEQYLSTG YLQIAERREP IGSMSSMEVN VDMLEQMDLM DISDQEALDV FLNSGGEEENT VLSPALGPES STCQNEITLQ VPNPSELRAK PPSSSSTCTD SATRDISEGG ESPVVQSDEE EVQVDTALAT SHTDREATPD GGEDSDS Molecular weight: 34.6 kDa (307 aa)
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Li W., et al. (2003). Nat Genet. 35(1):84-9. Chen XW., et al. (2008). J Cell Biol. 181(5):791-801.

Pictures:



Recombinant human Dysbindin, 1-270 aa, His-tagged: 15% SDS-PAGE (3 µg)

15% SDS-PAGE (3ug)

