

Recombinant Human Dysbrevin Binding Protein 1

Cat. No. DTNBP1-308H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Dysbindin protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography technique (307 aa, 34.6 kDa).
Species	Human
Source	E.coli
Description	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.
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 100 mM NaCl, 0.5 mM DTT, 20% glycerol.
Molecular Weight	34.6 kDa (307aa).
Purity	> 95% by SDS – PAGE.

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Concentration	0.5 mg/ml (determined by Bradford assay).
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMLS AHWEKKKTSL VELQEQLQQL PALIADLESM TANLTHLEAS FEEVENLLH LEDLCGQCEL ERCKHMQSQQ LENYKKNKRK ELETFAELD AEHAQKVLEM EHTQQMKLKE RQKFFEEAFQ QDMEQYLSTG YLQIAERREP IGSMSSMEVN VDMLEQMDLM DISDQEALDV FLNSGGEENT VLSPALGPES STCQNEITLQ VPNPSELRAK PPSSSSTCTD SATRDISEGG ESPVVQSDEE EVQVDTALAT SHTDREATPD GGEDSDS
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	DTNBP1
Synonyms	DTNBP1; dystrobrevin binding protein 1; SDY; DBND; HPS7; My031; FLJ30031; MGC20210; DKFZp564K192; C20orf35; CK1BP; HSMNP1; OTTHUMP00000031115; OTTHUMP00000031116; OTTHUMP00000031117; OTTHUMP00000031118; OTTHUMP00000031119; OTTHUMP00000031120; OTTHUMP00000016062; SCF apoptosis response protein 1; casein kinase-1 binding protein; chromosome 20 open reading frame 35; dysbindin (dystrobrevin binding protein 1) domain containing 2; dysbindin.
Gene ID	84062
mRNA Refseq	NM_032122.3
Protein Refseq	NP_115498.2

MIM	607145
UniProt ID	Q96EV8
Chromosome Location	6p22.3
Function	identical protein binding.

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