

Recombinant Human DBN1, His-tagged

Cat. No. DBN1-28133TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 289-467 of Human Drebrin with N terminal His tag; 179 amino acids, 20.6kDa.
Species	Human
Source	E.coli
ProteinLength	289-467 a.a.
Description	The protein encoded by this gene is a cytoplasmic actin-binding protein thought to play a role in the process of neuronal growth. It is a member of the drebrin family of proteins that are developmentally regulated in the brain. A decrease in the amount of this protein in the brain has been implicated as a possible contributing factor in the pathogenesis of memory disturbance in Alzheimers disease. At least two alternative splice variants encoding different protein isoforms have been described for this gene.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 134 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Store at 4°C. Upon reconstitution store at -80oC.

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Sequences of amino acids

NPREFFKQQERVASASAGSCDVSPFNHRPGSHLDSHRRM APTPIPTRSPSDSST
 ASTPVAEQIERALDEVTSQQPP LPPPPPPAQETQEPPILDSEETRAAAPQAWAG
 PMEEPPQAQAPPRGPGSPAEDLMFMESAEQAVLAAPVEPATADAT EIHDAADTIET
 DTATADTTVANN

GENE INFORMATION

Gene Name [DBN1 drebrin 1 \[Homo sapiens \]](#)

Official Symbol [DBN1](#)

Synonyms DBN1; drebrin 1; D0S117E; drebrin;

Gene ID [1627](#)

mRNA Refseq [NM_004395](#)

Protein Refseq [NP_004386](#)

MIM [126660](#)

Uniprot ID [Q16643](#)

Chromosome Location 5q35.3

Function actin binding; profilin binding;

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