

Recombinant Human DBN1 Protein, GST-tagged

Cat. No. DBN1-2369H Lot. No. (See product label)

SPECIFICATION

Product Overview Human DBN1 full-length ORF (AAH00283, 1 a.a. - 649 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source Wheat Germ

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 Alzheimer's disease. At least two alternative splice variants encoding different protein isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

Molecular Mass 97.13 kDa

AA Sequence MAGVSFSGHRLELLAAYEEVIREESAADWALYTYEDGSDDLKLAASGEGGLQELSG
HFENQKVMYGFCSVKDSQAALPKYVLINWVGEDVPDARKCACASHVAKVAEFFQG
VDVIVNASSVEDIDAGAIGQRLSNGLARLSSPVLHRLRLREDENAEPVGTTYQKTD
AVEMKRINREQFWEQAKKEEELRKEEERKKALDERLRFEQERMEQERQEERER
RYREREQQIEHRRKQQTLEAEEAKRRLKEQSIFGDHRDEEEEETHMKKSESEVEEA
AAIIAQRPDNPREFFKQQERVASASAGSCDVPSPFNHRPGSHLDSHRRMAPTPIPT
RSPSDSSTASTPVAEQIERALDEVTSSQPPLPPPPPPAQETQEPSILDSEETRAA

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APQAWAGPMEEPPQAQAPPRGPGSPAEDLMFMESAEQAVLAAPVEPATADATEV
HDAADTIETDTATADTTVANNVPPAATSLIDLWPGNGEGASTLQGEPRAPTPPSGTE
VTLAEVPLLDEVAPEPLLPAGEGCATLLNFDELPEPPATFCDPEEVEGEPLAAPQTP
TLPSALEELEQEPEPHLLTNGETTQKEGTQASEGYFSQSQEEFFAQSEELCAKA
PPPVFYNKPPEIDITCWDADPVPEEEEGFEGGD

Applications
Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes
Best use within three months from the date of receipt of this protein.

Storage
Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer
50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

Official Symbol [DBN1](#)

Synonyms
DBN1; drebrin 1; D0S117E; drebrin; drebrin E; drebrin-1; drebrin E2;
developmentally-regulated brain protein; DKFZp434D064;

Gene ID [1627](#)

mRNA Refseq [NM_004395](#)

Protein Refseq [NP_004386](#)

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MIM 126660

UniProt ID Q16643

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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