

Full-Length

DBN1 (Human) Recombinant Protein (P01)

Catalog # H00001627-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

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

Sequence

MAGVSFSGHRLELLAAYEEVIREESAADWALTYEDGSDDLKLAASGEGGLQELSGHFENQKVM
YGFCSVKDSQAALPKYVLINWVGEDVPDARKCACASHVAKVAEFFQGVDMVNASSVEDIDAGAI
GQRLSNGLARLSSPVLHRLRLREDENAEPVGTTYQKTDAAVEMKRINREQFWEQAKKEEELRKE
EERKKALDERLRFEQERMEQERQEQEERERRREREREQQIEEHRRKQQTLEAEEAKRRLKEQSIF
GDHRDEEEETHMKKSESEVEEAAAIAQRPDNPREFFKQQERVASASAGSCDVPSPFNHRPGS
HLDSHRRMAPTPIPTRSPSDSSTASTPVAEQIERALDEVTSSQPPPLPPPPPPAQETQEPSPILDS
EETRAAAPQAWAGPMEPPQAQAPPRGPGSPAEDLMFMESAEQAVLAAPVEPATADATEVHD
AADTIETDTATADTTVANNVPPAATSLIDLWPGNGEGASTLQGEPRAPTPPSGTEVTLAEVPLLDE
VAPEPLLPAGEGCATLLNFDELPEPPATFCDPREEVEGEPLAAPQTPTLPSALEEELEQEPEPH
LLTNGETTQKEGTQASEGYFSQSQEEFAQSEELCAKAPPPVFYNKPPEIDITCWDADPVPEEE
EGFEGGD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

97.13

Interspecies Antigen Sequence

Mouse (79); Rat (82)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — DBN1

Entrez GeneID	1627
GeneBank Accession#	BC000283
Protein Accession#	AAH00283
Gene Name	DBN1
Gene Alias	D0S117E, DKFZp434D064
Gene Description	drebrin 1
Omim ID	126660
Gene Ontology	Hyperlink
Gene Summary	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]

Other Designations

drebrin E|drebrin E2|drebrin-1

Publication Reference

- [Drebrin \(developmentally regulated brain protein\) is associated with axo-somatic synapses and neuronal gap junctions in rat mesencephalic trigeminal nucleus.](#)

Park H, Yamada K, Kojo A, Sato S, Onozuka M, Yamamoto T.

Neuroscience Letters 2009 Sep; 461(2):95.

Application: IHC, Pig, Antiserum