

Recombinant Human DBN1 Protein (Gly3-Ser134), His tagged

Cat. No. DBN1-1926H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Drebrin 1 (Gly3-Ser134) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly3-Ser134
Description	Actin cytoskeleton-organizing protein that plays a role in the formation of cell projections. Required for actin polymerization at immunological synapses (IS) and for the recruitment of the chemokine receptor CXCR4 to IS. Plays a role in dendritic spine morphogenesis and organization, including the localization of the dopamine receptor DRD1 to the dendritic spines. Involved in memory-related synaptic plasticity in the hippocampus.
Form	Lyophilized powder/frozen liquid
Molecular Mass	15.85 kDa
Purity	>90% as determined by SDS-PAGE
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8

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centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.

Storage Buffer Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.

Reconstitution Reconstitute in sterile water for a stock solution.

Shipping They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

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

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](#)

MIM [126660](#)

UniProt ID [Q16643](#)

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