

# Recombinant Human DNER Protein

Catalog No.: RP00233 **Recombinant**

## Sequence Information

<b>Species</b>	<b>Gene ID</b>	<b>Swiss Prot</b>
Human	92737	Q8NFT8

### Tags

C-hFc&amp;His

### Synonyms

DNER;UNQ26;bet

## Product Information

<b>Source</b>	<b>Purification</b>
HEK293 cells	> 97% by SDS-PAGE.

<b>Calculated MW</b>	<b>Observed MW</b>
91.12 kDa	125-160 kDa

### Endotoxin

&lt; 0.01 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

DNER (Delta/Notch-like EGF-related receptor), also known as BET (brain-specific EGF-like transmembrane protein), is a type I transmembrane glycoprotein of the Notch/Delta family. In the mouse, DNER has been detected as 90, 120 and 150 kDa forms which are probably variably glycosylated. Activator of the NOTCH1 pathway. May mediate neuron-glia interaction during astrocytogenesis. DNER associates with protein tyrosine phosphatase zeta (PTP zeta), which is the receptor of pleiotrophin (PTN). PTP zeta-PTN-DNER signaling has been implicated in the regulation of neurogenesis. Expression of DNER in glioblastoma stem-like cells inhibits formation of neurospheres in vitro, while in vivo it induces differentiation and inhibits growth of xenografts, thus acting as a tumor suppressor.

## Basic Information

### Description

Recombinant Human DNER Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg29-His637) of human DNER (Accession #NP\_620711.3) fused with an Fc, 6×His tag at the C-terminus.

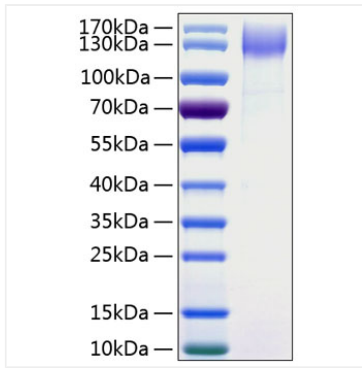
### Bio-Activity

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human DNER Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 125-160 kDa.