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Recombinant Human DNER Protein

Catalog No.: RP00233 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	92737	Q8NFT8

Tags
C-hFc&His

Synonyms
DNER;UNQ26;bet

Product Information

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

Endotoxin
< 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 votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (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 neuritogenesis. 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.

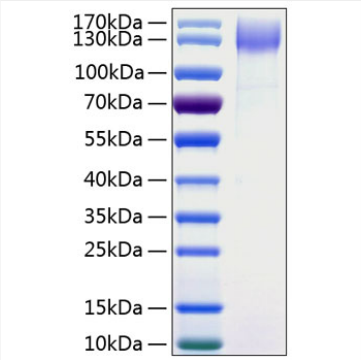
Basic Information

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 the lyophilized protein at -20℃ to -80 ℃ for long term.
After reconstitution, the protein solution is stable at -20 ℃ for 3 months, at 2-8 ℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



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