

Active Recombinant Mouse Delta/Notch-Like EGF-Related Receptor

Cat. No. Dner-410M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Dner protein was expressed in Murine myeloma cell line, NS0-derived. Ala26-His637.
Species	Mouse
Source	Mammalian Cells
Protein Length	26-637 a.a.
Description	Dner is a type I transmembrane glycoprotein of the Notch/Delta family. Mouse Dner has been detected as 90, 120 and 150 kDa forms which are probably variably glycosylated.
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
N-terminal Sequence	Ala26
Molecular Weight	91.4 kDa
Activity	Measured by its ability to inhibit Pleiotrophin-induced neurite outgrowth of E16-E18 rat embryonic cortical neurons. When 4 x 10 ⁴ neurons/well are added to 96 well plate containing serial dilutions of Recombinant Mouse DNER Fc Chimera and immobilized Recombinant Mouse Pleiotrophin/PTN (1 µg/mL) neurite outgrowth is significantly inhibited in a dose dependent manner. The ED ₅₀ for this effect is

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	typically 0.5-2.5 µg/mL.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 200µg/mL in PBS.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Dner delta/notch-like EGF-related receptor [<i>Mus musculus</i>]
Official Symbol	Dner
Synonyms	Dner; delta/notch-like EGF-related receptor; BET; Bret; A930026D19Rik; MGC39095; delta and Notch-like epidermal growth factor-related receptor; transmembrane protein Bet; brain EGF repeat-containing transmembrane protein; Bet
Gene ID	227325
mRNA Refseq	NM_152915
Protein Refseq	NP_690879
UniProt ID	Q8JZM4

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Chromosome Location	1
Function	receptor activity; calcium ion binding;Notch binding

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