Recombinant Mouse NEL-like 2 (Chicken), His-tagged

Cat. No. Nell2-394M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nell2 was expressed in*E.Coli*using an N-terminal His tag. MW=28 kDa.
Species	Mouse
Source	E.coli
Description	NELL2 is a neuron-specific thrombospondin-1-like extracellular protein containing six epidermal growth factor-like domains. It is highly expressed in the hippocampus in vivo and promotes survival of rat primary cultured neurons through activation of JNK and suppression of ERK. As ERK is required for the induction of hippocampal long term potentiation (LTP) and JNK appears to be inhibitory on LTP, it had been suggested that NELL2 may play a role in synaptic plasticity.
Sequence	2-238.
Purity	~95%.
Specific Activity	n/a.
Applications	This recombinant protein can be used for WB, ELISA, MS and neutralization assays.
Buffer	100mM sodium phosphate, 10mM Tris, 500mM NaCl, 25 mM imidazole, 2mM MgCl2, 10% glycerol.

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Storage	Store at -70˚C. As with any protein, exposing Nell2 recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
SDS-PAGE	SDS-PAGE analysis of recombinant NELL2 fragment on Coomassie Blue-stained 12% SDS-PAGE gel.

GENE INFORMATION

Gene Name	Nell2 NEL-like 2 (chicken) [Mus musculus]
Synonyms	Nell2; NEL-like 2 (chicken); mel91; R75516; A330108N19Rik; nel-like 2 homolog
Gene ID	54003
mRNA Refseq	NM_016743
Protein Refseq	NP_058023
UniProt ID	Q61220
Chromosome Location	15
Function	calcium ion binding; structural molecule activity

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