

## Recombinant Human NELL1, His-tagged

Cat. No. NELL1-106H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human Protein Kinase C-Binding Protein NELL1/NELL1 is produced in mammalian expression system in human cells. The target protein is expressed with sequence (Arg17-Asn810) of Human NELL1 fused with a 6His tag at the C-terminus.

**Species** Human

**Source** HEK293

**ProteinLength** 17-810 a.a.

**Description** This gene encodes a cytoplasmic protein that contains epidermal growth factor (EGF)-like repeats. The encoded heterotrimeric protein may be involved in cell growth regulation and differentiation. A similar protein in rodents is involved in craniosynostosis. Alternative splicing results in multiple transcript variants.

**Form** Supplied as a 0.2 uM filtered solution of 20mM TrisHCl, 150mM NaCl, 10% Glycerol, pH8.0.

**AA Sequence**

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RTVVGFGMDPDLQMDIVTELDLVNTTLGVAQVSGMHNASKAFLFQDIEREIHAAPHV
SEKLIQLF QNKSEFTILATVQQKPSTSGVILSIRELEHSYFELESSGLRDEIRYHYIHN
GKPRTEALPYRMAD GQWHKVALSVSASHLLLVDCNRİYERVIDPPDTNLPPGINL
WLGQRNQHGLFKGIIQDGKIIF MPNGYITQCPNLNHTCPTCSDFLSLVQGIMDLQE
LLAKMTAKLNVAETRLSLENCHCEKTCQVS GLLYRDQDSWVDGDHCRNCTCKS
GAVECRRMSCPPLNCSPDSLPHIAGQCCKVCRPKCIYGGKV LAEGQRILTKSCRE
CRGGVLVKITEMCPPLNCSEKDHILPENQCCRVCRGHNFCAEGPKCGENSE CKNW
    
```

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NTKATCECKSGYISVQGDSAYCEDIDECAAKMHYCHANTVCVNLPGLYRCDCVPGY  
 IRVDD FSCTEHDECGSGQHNCDENAICTNTVQGHSTCKPGYVGNGTICRAFCEE  
 GCRYGGTCVAPNKCVCPSGFTGSHCEKDIDECSEGIIECHNHRSRCVNLPGWYHCE  
 CRSGFHDDGTYSLSGESCIDIDECA LRTHTCWNDSACINLAGGFDCCLCPSPGSCSG  
 DCPHEGGLKHNGQVWTLKEDRCSVCCKDKGKIFC RRTACDCQNPSADLFCCPEC  
 DTRVTSQCLDQNGHKLYRSGDNWTHSCQQCRCLEGEVDCWPLTCP NLSCEYTAIL  
 EGECCPRCVSDPCLADNITYDIRKTCLDSYGVSRLSGSVWTMAGSPCTTCKCKNG  
 RVCCSVDFECLQNNLDHHHHHH

<b>Endotoxin</b>	Less than 0.1 ng/g (1 IEU/g).
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Storage</b>	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	NELL1 NEL-like 1 (chicken) [ Homo sapiens (human) ]
<b>Official Symbol</b>	NELL1
<b>Synonyms</b>	NELL1; NRP1; IDH3GL; NEL-like 1 (chicken); protein kinase C-binding protein NELL1; nel-related protein 1; neural epidermal growth factor-like 1
<b>Gene ID</b>	4745
<b>mRNA Refseq</b>	NM_006157
<b>Protein Refseq</b>	NP_006148

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<b>MIM</b>	602319
<b>UniProt ID</b>	Q92832
<b>Chromosome Location</b>	11p15.1
<b>Function</b>	calcium ion binding; protein binding

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