

# Recombinant Human NELL1, His-tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | 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.                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 17-810 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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.                                                                                                          |
| <b>Form</b>             | Supplied as a 0.2 uM filtered solution of 20mM TrisHCl,150mM NaCl,10% Glycerol,pH8.0.                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | RTVVGFGMDPDLQMDIVTELDLVNTTLGVAQVSGMHNASKAFLFQDIEREIHAAPHV<br>SEKLIQLF QNKSEFTILATVQQKPSTSGVILSIRELEHSYFELESSGLRDEIRYHYIHN<br>GKPRTEALPYRMAD GQWHKVALSVSASHLLLHVDCNRIYERVIDPPDTNLPPGINL<br>WLGQRNQKHGLFKGIIQDGKIIF MPNGYITQCPNLNHTCPTCSDFLSLVQGIMDLQE<br>LLAKMTAKLNYAETRLSQLENCHCEKTCQVS GLLYRDQDSWVDGDHCRNCTCKS<br>GAVECRRMSCPPLNCSPDSLPHIAGQCKKVCPRPKCIYGGKV LAEGQRILTKSCRE<br>CRGGVLVKITEMCPPLNCSEKDHILPENQCCRVCRGHNFCAEGPKCGENSE CKNW |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NTKATCECKSGYISVQGDSAYCEDIDECAAKMHYCHANTVCVNLPGLYRCDCVPGY  
 IRVDD FSCTEHDECGSGQHNCDENAICTNTVQGHSTCKPGYVGNGTICRAFCEE  
 GCRYGGTCVAPNKCVCPSGFTGSHCEKDIDECSEGIIECHNHSRCVNLPGWYHCE  
 CRSGFHDDGTYSLSGESCIDIDECA LRHTTCWNDSACINLAGGFDCCLPSGPPSCSG  
 DCPHEGGLKHNGQVWTLKEDRCSVCCKDGKIFC 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<br>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                                                                                                                                          |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA