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	RTVVGFGMDPDLQMDIVTELDLVNTTLGVAQVSGMHNASKAFLFQDIEREIHAAPHV SEKLIQLF QNKSEFTILATVQQKPSTSGVILSIRELEHSYFELESSGLRDEIRYHYIHN GKPRTEALPYRMAD GQWHKVALSVSASHLLLHVDCNRIYERVIDPPDTNLPPGINL WLGQRNQKHGLFKGIIQDGKIIF MPNGYITQCPNLNHTCPTCSDFLSLVQGIMDLQE LLAKMTAKLNYAETRLSQLENCHCEKTCQVS GLLYRDQDSWVDGDHCRNCTCKS GAVECRRMSCPPLNCSPDSLPVHIAGQCCKVCRPKCIYGGKV LAEGQRILTKSCRE CRGGVLVKITEMCPPLNCSEKDHILPENQCCRVCRGHNFCAEGPKCGENSE CKNW

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	NTKATCECKSGYISVQGDSAYCEDIDECAAKMHYCHANTVCVNLPGLYRCDCVPGY IRVDD FSCTEHDECGSGQHNCDENAICTNTVQGHSCTCKPGYVGNGTICRAFCEE GCRYGGTCVAPNKCV CPSGFTGSHCEKDIDECSEGIIECHNHSRCVNLPGWYHCE CRSGFHDDGTYSLSGESCIDIDECA LRTHTCWNDSACINLAGGFDCLCPSGPSCSG DCPHEGGLKHNGQVWTLKEDRCSVCSCKDGKIFC RRTACDCQNPSADLFCCPEC DTRVTSQCLDQNGHKLYRSGDNWTHSCQQCRCLEGEVDCWPLTCP NLSCEYTAIL EGECCPRCVSDPCLADNITYDIRKTCLDSYGVSRLSGSVWTMAGSPCTTCKCKNG RVCCSVDFECLQNNLDHHHHHH
Endotoxin	Less than 0.1 ng/ɡ (1 IEU/ɡ).
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

GENE INFORMATION

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

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

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