

Active Recombinant Human NELL1 Protein, His-tagged

Cat. No. NELL1-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NELL1 Protein (Arg17-Asn810), with a C-terminal 6-His tag was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
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.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of C3H10T1/2 mouse embryonic fibroblast cells. The ED50 for this effect is 1-4 µg/mL.
Molecular Mass	88.6 kDa & 88.1 kDa
N-terminal Sequence Analysis	Arg17 (33%) & Phe22 (66%)
Endotoxin	<0.01 EU/µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE with silver staining

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Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution	Reconstitute at 300 µg/mL in PBS.
Shipping	The product is shipped at ambient temperature.
GENE INFORMATION	
Gene Name	NELL1 neural EGFL like 1 [Homo sapiens (human)]
Official Symbol	NELL1
Synonyms	NELL1; neural EGFL like 1; NRP1; IDH3GL; 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
MIM	602319
UniProt ID	Q92832