

## Product datasheet for TP316942

### Neogenin (NEO1) (NM\_002499) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human neogenin homolog 1 (chicken) (NEO1), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA** >RC216942 representing NM\_002499  
**Clone or AA Sequence:** Red=Cloning site Green=Tags(s)

MAAERGARRLLSTPSFWLYCLLLLGRRAPGAAAARSGSAPQSPGASIRTFPTPFYFLVEPVDTLVSRGSSV  
 ILNCSAYSESPKIEWKKDGTFLNLVSDRRQLLPDGSLFISNVVHSHKHNKPDEGYQCVA TVESLGTII  
 SRTAKLIVAGLPRFTSQPEPSSVYAGNNAILNCEVNADLVPFVRWEQNRQPLLLDDRVIKLP SGM LVISN  
 ATEGDGGLYRCVWESGGPPKYSDEVELKVLDPDEVISDLVFLKQPSPLVRVIGQDVLPCVASGLPTPTI  
 KWMKNEEALDTESSERLVLLAGGSLEISDVTEDDAGTYFCIADNGNETIEAQAELTVQAQPEFLKQPTNI  
 YAHESMDIVFECEVTGKPTPTVKWVKNMGDMVIPSDYFKIVKEHNLQVLGLVKSDEGFYQCAENDVGN AQ  
 AGAQLIILEHAPATTGPLPSAPRDVVASLVSTRFIKLTWRTPASDPHGDNLTVSVFYTKEGIARERVENT  
 SHPGEMQVTIQNLMPATVYIFRVMAQNKHSGESSAPLRVETQPEVQLPGPAPNLRAYAASPTSITVTWE  
 TPVSGNGEIQNYKLYMEKGTDKQDQDVVSSHYSYTINGLKKYTEYSFRVWAYNKHGPGVSTPDVAVRTLS  
 DVPSAAPQNL SLEVRNSK SIMIHWQPPAPATQNGQITGYKIRYKASRKS DVTETLVSGTQLS QLIEGLD  
 RGTEYNFRVAALTINGTGPATDWLSAETFESDLDETRVPEVPSSLHVRPLVTSIVVSWTPPENQNI VVRG  
 YAIGYGIGSPHAQTIKVDYKQRYTIENTLDPSSHVITLKA FN NVGEGIPLYESAVTRPHTDTSEVDL FV  
 INAPYTPVPDPTPMMPVGVQASILSHDITRITWADNSLPKHQKITDSRYTTRVWKTNIPANTKYKNANA  
 TTLSYLV TGLKPNTLYEFSVMVTKGRRSSTWSMTAHGTT FELVPTSPPKDVTVSKGPKTIIVNWQPP  
 SEANGKITGYIIYSTDVNAEIH DWVIEPVGNRLTHQIQELT DTPYYFKIQARNSKGMGPMSEAVQFR  
 TPKADSSDKMPNDQASGSGGKGSRLPDLGSDYKPPMSGNSPHGSPTSPLDSNMLLVII VSVGVITIVV  
 VIIAVFCTRRRTTSHQKKKRAACKSVNGSHKYKGN SKDVKPPDLWIIHERLELKPIDKSPDPNPIMTDTPI  
 PRNSQDITPVDNSMDSNIHQRRNSYRGHESEDSMSTLAGRRGMRPKMMMPFDSQPPQPVISAHPIHSLDN  
 PHHHFHSSSLASPARSHLYHPGSPWPIGTSMSLSDRANSTESVRNTPSTDTMPASSSQTCTDHDQDEGA  
 TSSSYLASSQEEDSGQLPTAHVRPSHPLKSFVPAIPPPGPPTYDPALPSTPLLSQQALNHHIHSVKTA  
 SIGTLGRSRPPMPVVVPSAPEVQETTRMLEDSESSYEPDELTKEMAHLEGLMKDLNAITTA

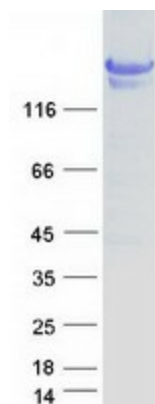
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK  
**Predicted MW:** 156.4 kDa



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<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002490</a>
<b>Locus ID:</b>	4756
<b>UniProt ID:</b>	<a href="#">Q92859</a> , <a href="#">Q59FP8</a>
<b>RefSeq Size:</b>	5297
<b>Cytogenetics:</b>	15q24.1
<b>RefSeq ORF:</b>	4383
<b>Synonyms:</b>	IGDCC2; NGN; NTN1R2
<b>Summary:</b>	<p>This gene encodes a cell surface protein that is a member of the immunoglobulin superfamily. The encoded protein consists of four N-terminal immunoglobulin-like domains, six fibronectin type III domains, a transmembrane domain and a C-terminal internal domain that shares homology with the tumor suppressor candidate gene DCC. This protein may be involved in cell growth and differentiation and in cell-cell adhesion. Defects in this gene are associated with cell proliferation in certain cancers. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010]</p>
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Cell adhesion molecules (CAMs)

**Product images:**

Coomassie blue staining of purified NEO1 protein (Cat# TP316942). The protein was produced from HEK293T cells transfected with NEO1 cDNA clone (Cat# [RC216942]) using MegaTran 2.0 (Cat# [TT210002]).