

## Product datasheet for PH316942

### Neogenin (NEO1) (NM\_002499) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NEO1 MS Standard C13 and N15-labeled recombinant protein (NP_002490)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216942
Predicted MW:	160.02 kDa
Protein Sequence:	>RC216942 representing NM_002499 Red=Cloning site Green=Tags(s)

MAERGARRLLSTPSFWLYCLLLLGRRAPGAAAARSGSAPQSPGASIRTFTPFYFLVEPVDLTVSRGSSV  
ILNCSAYSESPKIEWKDGTFLNLVSDRRQLLPDGSFLISNVVHSHKHKPDEGYQCVAIVESLGTII  
SRTAKLIVAGLPRFTSQPEPSSVYAGNNAILNCEVNADLVFVVRWEQNRQPLLLDDRVIKLP SGM LVISN  
ATEGDGGLYRCVVE SGGPPKYSDEVELKVLDPPEVISDLVFLKQPSPLVRVIGQDVVLP CVASGLPTPTI  
KWMKNEEALDTESSERLVLLAGGSLEISDVTEDDAGTYFCIADNGNETIEAQAELTVQAQPEFLKQPTNI  
YAHESMDIVFECEVTGKPTPTVKWVKNQDMVIPSDYFKIVKEHNLQVLGLVKSDEGFYQCIAENDVGNAQ  
AGAQLIILEHAPATTGPLPSAPRDVVASLVSTRFIKLTWRTPASDPHGDNLTVS V FYTKEGIARERVENT  
SHPGEMQVTIQNLMPATVYIFRVMAQNKHSGESSAPLRVETQPEVQLPGPAPNLRAYAASPTSITVTWE  
TPVSGNGEIQNYKLYMEKGTDKEDVDVSSH SYTINGLKKYTEYSFRVVAYNKHGPGVSTPDVAVRTLS  
DVP S A A P Q N L S L E V R N S K S I M I H W Q P P A P A T Q N G Q I T G Y K I R Y R K A S R K S D V T E T L V S G T Q L S Q L I E G L D  
R G T E Y N F R V A A L T I N G T G P A T D W L S A E T F E S D L D E T R V P E V P S S L H V R P L V T S I V V S W T P P E N Q N I V V R G  
Y A I G Y G I G S P H A Q T I K V D Y K Q R Y Y T I E N L D P S S H Y V I T L K A F N N V G E G I P L Y E S A V T R P H T D T S E V D L F V  
I N A P Y T P V P D P T P M M P P V G V Q A S I L S H D T I R I T W A D N S L P K H Q K I T D S R Y Y T V R W K T N I P A N T K Y K N A N A  
T T L S Y L V T G L K P N T L Y E F S V M V T K G R R S T W S M T A H G T T F E L V P T S P P K D V T V V S K E G K P K T I I V N W Q P P  
S E A N G K I T G Y I I Y Y S T D V N A E I H D W V I E P V V G N R L T H Q I Q E L T L D T P Y Y F K I Q A R N S K G M G M P S E A V Q F R  
T P K A D S S D K M P N D Q A S G S G G K S R L P D L G S D Y K P P M S G S N S P H G S P T S P L D S N M L L V I I V S V G V I T I V V V  
V I I A V F C T R R T T S H Q K K K R A A C K S V N G S H K Y K G N S K D V K P P D L W I H H E R L E L K P I D K S P D P N P I M T D T P I  
P R N S Q D I T P V D N S M D S N I H Q R R N S Y R G H E S D S M S T L A G R R G M R P K M M P F D S Q P P Q P V I S A H P I H S L D N  
P H H H F H S S S L A S P A R S H L Y H P G S P W P I G T S M S L S D R A N S T E S V R N T P S T D T M P A S S S Q T C C T D H Q D P E G A  
T S S S Y L A S S Q E E D S G Q S L P T A H V R P S H P L K S F A V P A I P P P G P P T Y D P A L P S T P L L S Q Q A L N H H I H S V K T A  
S I G T L G R S R P P M P V V V P S A P E V Q E T T R M L E D S E S S Y E P D E L T K E M A H L E G L M K D L N A I T T A

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

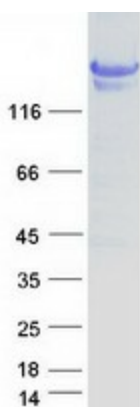
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_002490</a>
RefSeq Size:	5297
RefSeq ORF:	4383
Synonyms:	IGDCC2; NGN; NTN1R2
Locus ID:	4756
UniProt ID:	<a href="#">Q92859</a> , <a href="#">Q59FP8</a>
Cytogenetics:	15q24.1
Summary:	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]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	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]).