

Product datasheet for PH303415

Neugrin (NGRN) (NM_016645) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NGRN MS Standard C13 and N15-labeled recombinant protein (NP_057729)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203415
Predicted MW:	24.2 kDa
Protein Sequence:	>RC203415 representing NM_016645 Red=Cloning site Green=Tags(s) MEAPGAPRRTLWEAMEQIRYLHEEFPEWSVPRLAEGFDVSTDVIRRVLKSKFLPTLEQKLKQDQKVLK KAGLAHSLQHLRGSGNTSKLLPAGHSVSGSLLMPGHEASSKDPNHSTALKVIESDTHRTNTPRRRKGRNK EIQDLEESFVPVAAPLGHPRELQKYSSDSESPRGTGSGALPSGQKLEELKAEEDPNFSSKVVQRGREFFD SNGNFLYRI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_057729
RefSeq Size:	1782
RefSeq ORF:	657
Synonyms:	DSC92; mesenchymal stem cell protein DSC92; neugrin, neurite outgrowth associated; neurite outgrowth associated protein
Locus ID:	51335



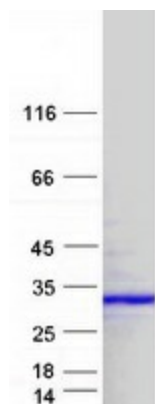
[View online »](#)

UniProt ID: [Q9NPE2](#)

Cytogenetics: 15q26.1

Summary: Plays an essential role in mitochondrial ribosome biogenesis. As a component of a functional protein-RNA module, consisting of RCC1L, NGRN, RPUSD3, RPUSD4, TRUB2, FASTKD2 and 16S mitochondrial ribosomal RNA (16S mt-rRNA), controls 16S mt-rRNA abundance and is required for intra-mitochondrial translation of core subunits of the oxidative phosphorylation system.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified NGRN protein (Cat# [TP303415]). The protein was produced from HEK293T cells transfected with NGRN cDNA clone (Cat# [RC203415]) using MegaTran 2.0 (Cat# [TT210002]).