

## Product datasheet for PH322032

### Neugrin (NGRN) (NM\_001033088) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NGRN MS Standard C13 and N15-labeled recombinant protein (NP_001028260)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222032
Predicted MW:	32.2 kDa
Protein Sequence:	>RC222032 representing NM_001033088 Red=Cloning site Green=Tags(s)  MAVTLSLLLGGRVCAAVTRCGFATRGVAGPGPIGREPDPDSWEPEERELQEVSTLKRQKQAIRFQKIR RQMEAPGAPPRTLWEAMEQIRYLHEEFPEWSVPRLAEGFDVSTDVIRRVLKSFLPTLEQKLKQDQKV LKKAGLAHSLQHLRSGNTSKLLPAGHSVSGLLMPGHEASSKDPNHSTALKVIESDTHRTNTPRRRKG NKEIQDLEESFVPVAAPLGHPRELQKYSSDSESPRGTGSGALPSGQKLEELKAEEDPNFSSKVVQRGREF FDSNGNFLYRI  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- <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:	<u><a href="#">NP_001028260</a></u>
RefSeq Size:	1367
RefSeq ORF:	873
Synonyms:	DSC92
Locus ID:	51335



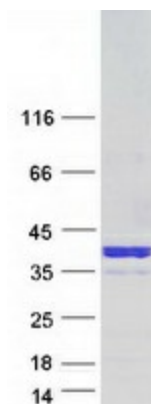
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UniProt ID: [Q9NPE2](#)

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, RPU3D3, RPU3D4, 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# [TP322032]). The protein was produced from HEK293T cells transfected with NGRN cDNA clone (Cat# [RC222032]) using MegaTran 2.0 (Cat# [TT210002]).