

Product datasheet for **TP303415L**

Neugrin (NGRN) (NM_016645) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens neugrin, neurite outgrowth associated (NGRN), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203415 representing NM_016645 Red =Cloning site Green =Tags(s)
	 MEAPGAPPRTLWEAMEQIRYLHEEFPEWSVPRLAEGFDVSTDVIRRVLKSKFLPTLEQKLKQDQKVLK KAGLAHSLQHLRSGNTSKLLPAGHSVSGSLLMPGHEASSKDPNHSTALKVIESDTHRTNTPRRRKGRNK EIQDLEESFVPAAPLGHPRELQKYSSDSESPRGTGSGALPSGQKLEELKAEEDNFSSKVVQRGREFFD SNGNFLYRI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	24.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_057729</u>
Locus ID:	51335



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UniProt ID:	Q9NPE2
RefSeq Size:	1782
Cytogenetics:	15q26.1
RefSeq ORF:	657
Synonyms:	DSC92; mesenchymal stem cell protein DSC92; neugrin, neurite outgrowth associated; neurite outgrowth associated protein
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]).