

Product datasheet for TP303415

Neugrin (NGRN) (NM_016645) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Homo sapiens neugrin, neurite outgrowth associated (NGRN), transcript variant 1, 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC203415 representing NM_016645 Red =Cloning site Green =Tags(s) |
| | MEAPGAPPRTLWEAMEQIRYLHEEFPEWSVPRLAEGFDVSTDVIRRVLKSKFLPTLEQKLKQDQKVLK KAGLAHSLQHLRSGNTSKLLPAGHSVSGSLLMPGHEASSKDPNHSTALKVIESDTHRTNTPRRRKGRNK EIQDLEESFVPAAPLGHPRELQKYSSDSESPRGTGSGALPSGQKLEELKAEEDPNFSSKVVQRGREFFD 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]).