

Datasheet for ABIN7313060

Neuregulin 1 Protein (NRG1) (AA 1-246) (His tag)



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Overview

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| Quantity: | 50 µg |
| Target: | Neuregulin 1 (NRG1) |
| Protein Characteristics: | AA 1-246 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Neuregulin 1 protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS), ELISA, Mass Spectrometry (MS) |

Product Details

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| Purpose: | Recombinant Human NRG1 Protein is produced by our E. coli expression system and the target gene encoding Met1-Lys246 is expressed with a 6His tag at the N-terminus. |
| Sequence: | MGSSHHHHH SSGLVPRGSH MSERKEGRGK GKGKKKERGS GKKPESAAGS QSPALPPQLK EMKSQESAAG SKLVLRCEST SEYSSLRFKW FKNGNELNRK NKPQNIQIK KPGKSELRLN KASLADSGEY MCKVISKLGN DSASANITIV ESNEITGMP ASTEGAYVSS ESPIRISVST EGANTSSSTS TSTTGTSHLV KCAEKEKTFC VNGGECFMVK DLSNPSRYLC KCPNEFTGDR CQNYVMASFY KHLGIEFMEA EELYQK |
| Purity: | Greater than 95 % as determined by reducing SDS-PAGE. |
| Sterility: | 0.2 µm filtered |
| Endotoxin Level: | Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test. |

Target Details

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| Target: | Neuregulin 1 (NRG1) |
| Alternative Name: | NRG1 (NRG1 Products) |
| Gene ID: | 3084 |
| UniProt: | Q02297 |
| Pathways: | RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Regulation of Muscle Cell Differentiation |

Application Details

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| Restrictions: | For Research Use only |
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Handling

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| Format: | Lyophilized |
| Buffer: | Lyophilized from a 0.2 µM filtered solution of 4 mM HCl. |
| Handling Advice: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months. |