



Certificate of Analysis

NRG1-beta 1 Protein, Human (65a.a, His)

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|-------------------|-----------------------|
| Cat. No.: | HY-P72007 |
| Batch No.: | 280391 |
| Species: | Human |
| Source: | <i>E. coli</i> |
| Tag: | N-6*His |
| Accession: | Q02297-6 (S177-E241) |
| Gene ID: | 3084 |
| Molecular Weight: | Approximately 7.5 kDa |

ANALYTICAL DATA

| TEST | Specifications | Results |
|---------------------|--|-------------|
| Purity | Greater than 95% as determined by reducing SDS-PAGE. | ≥95.0% |
| Endotoxin Level | <1 EU/μg, determined by LAL method. | PASS |
| Biological Activity | The ED ₅₀ as determined in a serum-free cell proliferation assay using MCF7 human breast cancer cells is less than 3 ng/mL. | 2.803 ng/mL |
| Appearance | Lyophilized powder. | |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μg/mL in sterile distilled water. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose). | |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage. | |
| Shipping | Room temperature in continental US; may vary elsewhere. | |

Caution: Product has not been fully validated for medical applications. For research use only.

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