

## 重组人神经调节蛋白1- 1(NRG- 1)(245aa)

Neuregulin-1 Beta(NRG1- 1)(245AA),Human,Recombinant

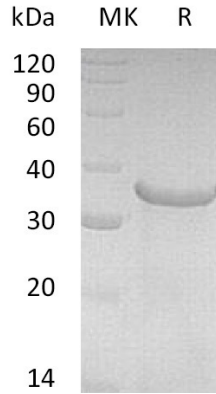
Cat. No.: MA1327-1 Size: 10μg

<b>Source:</b>	E.coli
<b>Description:</b>	Recombinant Human Neuregulin-1 Beta is produced by our E.coli expression system and the target gene encoding Ser2-Lys246 is expressed.
<b>Accession:</b>	<a href="#">AAA58639.1</a>
<b>Known As:</b>	Pro-neuregulin-1; Neuregulin-1 beta 1; NRG1-beta 1; HRG1-beta 1; EGF; NRG1; GGF; HGL; HRGA; NDF; SMDF
<b>Predicted Mol Mass:</b>	26.9 KDa
<b>Apparent Mol Mass:</b>	34 KDa, reducing conditions
<b>Endotoxin:</b>	< 0.01 EU/μg as determined by LAL test.
<b>Formulation:</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Reconstitution:</b>	Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Shipping:</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Storage:</b>	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. 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.
<b>Background:</b>	Pro-neuregulin-1,Neuregulin-1 beta 1(NRG1) is a single-pass type I membrane protein and belongs to the neuregulin family .It contains 1 EGF-like domain and 1 Ig-like C2-type (immunoglobulin-like) domain. Direct ligand for ERBB3 and ERBB4 tyrosine kinase receptors. The protein concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors. The multiple isoforms perform diverse functions such as inducing growth and differentiation of epithelial, glial, neuronal, and skeletal muscle cells; inducing expression of acetylcholine receptor in synaptic vesicles during the formation of the neuromuscular junction; stimulating lobuloalveolar budding and milk production in the mammary gland and inducing differentiation of mammary tumor cells; stimulating Schwann cell proliferation; implication in the development of



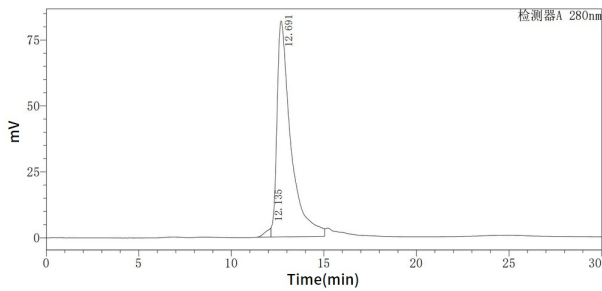
the myocardium such as trabeculation of the developing heart. Isoform 10 may play a role in motor and sensory neuron development.

### Purity-SDS-PAGE:



Greater than 85% as determined by reducing SDS-PAGE.

### Purity-SEC-HPLC:



Greater than 85% as determined by SEC-HPLC. (Regularly tested)

