

NRG1-beta 1 Protein, Human (HEK293)

Cat. No.:	HY-P73328
Synonyms:	Pro-neuregulin-1; Neuregulin-1; ARIA; HRG; NRG1; GGF; HGL; HRGA; NDF; SMDF
Species:	Human
Source:	HEK293
Accession:	Q02297-6 (S2-K246)
Gene ID:	3084
Molecular Weight:	Approximately 43-55 kDa due to the glycosylation.

PROPERTIES

AA Sequence	<p>S E R K E G R G K G K G K K K E R G S G K K P E S A A G S Q S P A L P P R L K E</p> <p>M K S Q E S A A G S K L V L R C E T S S E Y S S L R F K W F K N G N E L N R K N</p> <p>K P Q N I K I Q K K P G K S E L R I N K A S L A D S G E Y M C K V I S K L G N D</p> <p>S A S A N I T I V E S N E I I T G M P A S T E G A Y V S S E S P I R I S V S T E</p> <p>G A N T S S S T S T S T T G T S H L V K C A E K E K T F C V N G G E C F M V K D</p> <p>L S N P S R Y L C K C P N E F T G D R C Q N Y V M A S F Y K H L G I E F M E A E</p> <p>E L Y Q K</p>
Biological Activity	Measured in a cell proliferation assay using MCF-7 cells and the ED ₅₀ is typically <10 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years from date of receipt. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	HRG1-β1 activates HER2/HER3 signaling and up-regulate Fn14 gene expression in parental MCF7 cells. HRG1-β1-mediated Fn14 up-regulation in MCF7/HER2-18 cells is required for maximal MMP-9 production.
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Caution: Product has not been fully validated for medical applications. For research use only.

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