

RP00633

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Recombinant Human Pro-neuregulin-1/NRG1βbeta 1 Protein

Catalog No.: RP00633

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	3084	Q02297-6

Tags

No tag

Synonyms

NRG1;ARIA;GGF;GGF2;HGL;HRG;HRG1;HRGA;MST131;MSTP131;NDF;NRG1-IT2;SMDF

Product Information

Source	Purification
<I>E. coli</I>	> 95% by SDS-PAGE.

Endotoxin

< 0.5 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μM filtered solution of PBS,pH7.4Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in 1X PBS.

Background

neuregulin-1 (heregulin-1 , NRG1) is a member of neuregulin family, which is comprised of four genes that encode a large number of secreted or membrane-bound isoforms. All family members share an EGF-like domain that interacts with the ErbB family of tyrosine kinase receptors. NRG1 isoforms can be classified into type I, type II and type III isoforms. NRG1 directs ligand for ERBB3 and ERBB4 tyrosine kinase receptors, concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors. NRG proteins show distinct spatial and temporal expression patterns and play important roles during development of both the nervous system and the heart.

Basic Information

Description

Recombinant Human Pro-neuregulin-1/NRG1β beta 1 Protein is produced by <I>E. coli</I> expression system. The target protein is expressed with sequence (Ser177-Glu241) of human Pro-neuregulin-1/NRG1β beta 1 (Accession #Q02297-6).

Bio-Activity

Storage

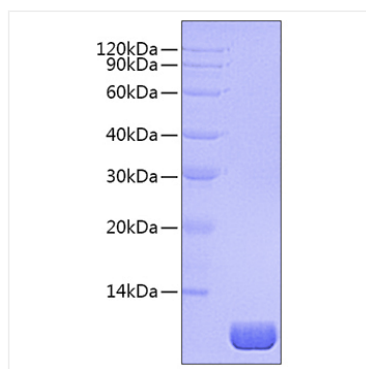
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Human Pro-neuregulin-1/NGR1 beta 1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.