

Product datasheet

Recombinant Human NRG4 protein (His tag) ab221337

[1 Image](#)

Description

Product name	Recombinant Human NRG4 protein (His tag)
Purity	> 90 % SDS-PAGE.
Endotoxin level	< 1.000 Eu/μg
Expression system	HEK 293 cells
Accession	Q8WWG1
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	PTDHEEPCG PSHKSFCLNG GLCYVIPTIP SPFCRCVENY TGARCEEVFL PGSSIQTKSN LF
Predicted molecular weight	9 kDa including tags
Amino acids	2 to 62
Tags	His tag C-Terminus
Additional sequence information	The sequence corresponds to amino acids within the extracellular domain.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab221337** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Lyophilized
Additional notes	This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70 °C for 3 months under sterile conditions after reconstitution.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Please
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see notes section.

pH: 7.4

Constituents: 0.61% Tris, 5% Trehalose, 0.58% Sodium chloride

Lyophilized from 0.22 µm filtered solution

Reconstitution

Reconstitute with sterile deionized water to a concentration of 50 µg/ml.

General Info

Function

Low affinity ligand for the ERBB4 tyrosine kinase receptor. Concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors. Does not bind to the ERBB1, ERBB2 and ERBB3 receptors.

Sequence similarities

Belongs to the neuregulin family.

Contains 1 EGF-like domain.

Domain

The cytoplasmic domain may be involved in the regulation of trafficking and proteolytic processing. Regulation of the proteolytic processing involves initial intracellular domain dimerization.

ERBB receptor binding is elicited entirely by the EGF-like domain.

Post-translational modifications

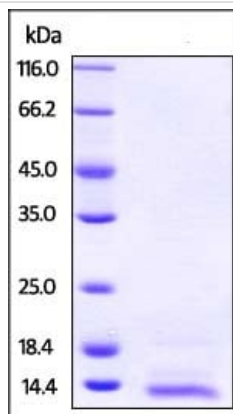
Proteolytic cleavage close to the plasma membrane on the external face leads to the release of the soluble growth factor form.

Extensive glycosylation precedes the proteolytic cleavage.

Cellular localization

Secreted and Cell membrane. Does not seem to be active.

Images



SDS-PAGE - Recombinant Human NRG4 protein
(His tag) (ab221337)

SDS-PAGE analysis of ab221337. The gel was stained overnight with Coomassie Blue. Due to glycosylation, the protein migrates at 13 kDa.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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