

## Product datasheet

# Recombinant Human NRG4 protein ab174432

1 Image

### Description

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<b>Product name</b>	Recombinant Human NRG4 protein	
<b>Purity</b>	> 90 % SDS-PAGE. ab174432 is purified by conventional chromatography techniques.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">Q8WWG1</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	MGSSHHHHHH SGLVPRGSH MGSMPDHEE PCGPSHKSFCLNGGLCYVIP TIPSPFCRCV ENYTGARCEE VFLPGSSIQT KSNL	
<b>Predicted molecular weight</b>	9 kDa including tags	
<b>Amino acids</b>	1 to 61	
<b>Tags</b>	His tag N-Terminus	
<b>Additional sequence information</b>	NCBI Accession No. NP_612640	

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab174432** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
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pH: 8.00

Constituents: 0.32% Tris HCl, 30% Glycerol (glycerin, glycerine), 0.88% Sodium chloride, 0.02% DTT

## General Info

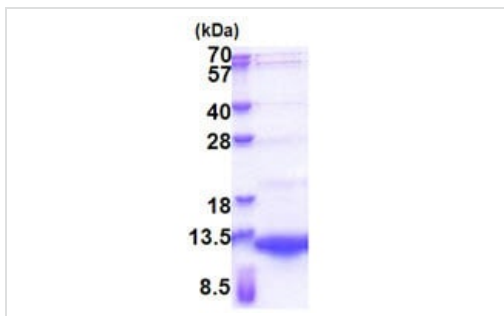
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<b>Function</b>	Low affinity ligand for the ERBB4 tyrosine kinase receptor. Concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors. Does not bind to the ERBB1, ERBB2 and ERBB3 receptors.
<b>Sequence similarities</b>	Belongs to the neuregulin family. Contains 1 EGF-like domain.
<b>Domain</b>	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.
<b>Post-translational modifications</b>	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.
<b>Cellular localization</b>	Secreted and Cell membrane. Does not seem to be active.

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## Images

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15% SDS-PAGE analysis of ab174432 (3 µg).

SDS-PAGE - Recombinant Human NRG4 protein  
(ab174432)

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

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- Replacement or refund for products not performing as stated on the datasheet
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- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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