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# Recombinant human NRG4 protein

Catalog Number: ATGP2472

#### **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

1-61aa

#### UniProt No.

O8WWG1

#### **NCBI Accession No.**

NP 612640

#### **Alternative Names**

Pro-neuregulin-4 membrane-bound isoform, Pro-neuregulin-4, membrane-bound isoform, Neuregulin 4, HRG4

# **PRODUCT SPECIFICATION**

#### **Molecular Weight**

9.1 kDa (84aa) confirmed by MALDI-TOF

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 0.15M NaCl, 1mM DTT

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

### **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

### **Description**

NRG4 belongs to the neuregulin family and contains 1 EGF-like domain. The protein is low affinity ligand for the ERBB4 tyrosine kinase receptor. It concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors. NRG4 does not bind to the ERBB1, ERBB2 and ERBB3 receptors. Recombinant human NRG4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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# **Amino acid Sequence**

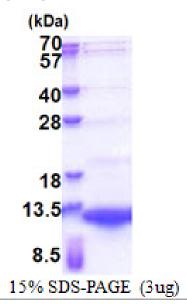
MGSSHHHHHH SSGLVPRGSH MGSMPTDHEE PCGPSHKSFC LNGGLCYVIP TIPSPFCRCV ENYTGARCEE VFLPGSSIQT KSNL

#### **General References**

Zody M.C., Garber M et al. (2006), Nature 440:671-675

# **DATA**

# **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

