

Recombinant human NRG4 protein

Catalog Number: ATGP2472

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-61aa

UniProt No.

Q8WWG1

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

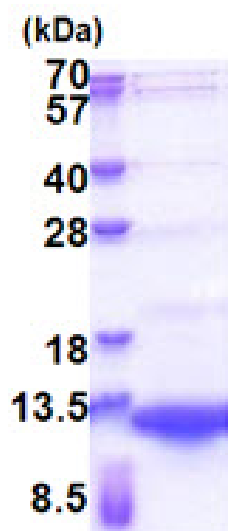
MGSSHHHHHH SGLVPRGSH MGSMPDHEE PCGPSHKSFCLNGGLCYVIP TIPSPFCRCV ENYTGARCEE VFLPGSSIQT
KSNL

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.

15% SDS-PAGE (3ug)