

Recombinant human NRG4, His-tagged

Cat. No. NRG4-2472H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NRG4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
Form	Liquid. In 20mM Tris-HCl(pH8.0) containing 30% glycerol, 0.15M NaCl, 1mM DTT
Molecular Mass	9.1kDa (84aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPTDHEE PCGPSHKSFCLNGGLCYVIP TIPSPFCRCV ENYTGARCEE VFLPGSSIQT KSNL
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store

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at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name NRG4 neuregulin 4 [Homo sapiens]

Official Symbol NRG4

Synonyms NRG4; neuregulin 4; pro-neuregulin-4, membrane-bound isoform; HRG4; pro-NRG4; heregulin 4; DKFZp779N0541; DKFZp779N1944;

Gene ID 145957

mRNA Refseq NM_138573

Protein Refseq NP_612640

MIM 610894

UniProt ID Q8WWG1

Chromosome Location 15q23

Pathway ErbB receptor signaling network, organism-specific biosystem; ErbB signaling pathway, organism-specific biosystem; ErbB signaling pathway, organism-specific biosystem; ErbB signaling pathway, conserved biosystem; ErbB4 signaling events, organism-specific biosystem; GRB2 events in ERBB2 signaling, organism-specific biosystem; Nuclear signaling by ERBB4, organism-specific biosystem;

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Function

growth factor activity;

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