

Recombinant Human Neuregulin 4, His-tagged

Cat. No. NRG4-18H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human neuregulin 4 encoding the human sNRG4 was recombined with Hexa-histidine tag at the N-Terminus. That was expressed in <i>E.Coli</i> , and purified by Ni-NTA column. MW=6.7 KD.
Species	Human
Source	E.coli
Description	sNRG4 is a 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 sNRG4 does not bind to the ERBB1, ERBB2 and ERBB3 receptors.
Purity	>95% in SDSgel.
Formulation	Lyophilized 100 µg human NRG4 in 50 µl of TBS (20 mM Tris, 50mM NaCl, pH8.0). Carry free.
Reconstitution	Add 500µl deionized water or TBS to the vial to prepare a working stock solution at 200 µg/mL. Allow to set at least 30 minutes at 4°C, mix well.
Application	Cell biology, ELISA.
Storage	Store lyophilized protein at -20°C to -70°C. Lyophilized protein is stable for up to 6

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months from date of receipt at - 20°C to -70°C. Upon reconstitution, this protein can be stored at -20°C for up to a few weeks or at -70°C in a manual defrost freezer for long term storage (six months). Aliquot reconstituted protein to avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	NRG4 neuregulin 4 [Homo sapiens]
Synonyms	NRG4;neuregulin 4; HRG4; DKFZp779N0541; DKFZp779N1944; Pro-neuregulin-4, membrane-bound isoform; Pro-NRG4; Neuregulin-4; NRG-4; OTTHUMP00000183575; heregulin 4
Gene ID	145957
mRNA Refseq	NM_138573
Protein Refseq	NP_612640
MIM	610894
UniProt ID	Q8WWG1
Chromosome Location	15q23
Pathway	ErbB signaling pathway
Function	growth factor activity

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