

Recombinant Human NRG4 Protein

Cat. No. NRG4-09H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Neuregulin-4 EGF domain is a disulfide-linked monomeric protein consisting of 62 amino acid residue subunits, and migrates as an approximately 7 kDa protein under non-reducing and reducing conditions in SDS-PAGE. Optimized DNA sequence encoding Human Neuregulin-4 EGF domain was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	5–65 aa
Form	Lyophilized protein
Storage	The lyophilized protein is stable for at least 2 years from date of receipt when stored at -20 centigrade. Upon reconstitution, store in working aliquots at +4 centigrade for up to one month, or at -20 centigrade for up to six months, in the presence of a carrier protein. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered 20 mM phosphate buffer, pH 6.0.
Bio-activity	The ED50 was determined by the phosphorylation of ErbB2 and ErbB4 receptors in CHO cells, and was found to be < 3 ng/mL, corresponding to a specific activity of 3×10 ⁵ Units/mg.

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Endotoxin	< 0.1 ng/μg (1 EU/μg), using the LAL gel clot method.
Purity	≥ 96% by SDS-PAGE and HPLC
Shipping	Gel packs or dry ice
GENE INFORMATION	
Official Symbol	NRG4
Synonyms	NRG4; neuregulin 4; HRG4; pro-neuregulin-4, membrane-bound isoform; heregulin 4; pro-NRG4
Gene ID	145957
mRNA Refseq	NM_138573
Protein Refseq	NP_612640
MIM	610894
UniProt ID	Q8WWG1