
Product Data Sheet

Product Name: NRG4 Human
 Cat. No.: GP20774
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Neuregulin 4; HRG4; Pro-neuregulin-4; membrane-bound isoform; Pro-NRG4; NRG-4.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPDHEE PCGPSHKSFCLNGGLCYVIP TIPSPFCRCV ENYTGARCEE VFLPGSSIQT KSNL.		
Formulation	NRG4 protein solution (0.25mg/ml) contains 20mM Tris-HCl(pH8.0), 30% glycerol, 0.15M NaCl and 1mM DTT.		

Introduction

Neuregulin-4 (NRG4) is a part of the neuregulin family that owns 1 EGF-like domain and is a low affinity ligand for the ERBB4 tyrosine kinase receptor. NRG4 links ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

NRG4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 84 amino acids (1-61 a.a.) and having a molecular mass of 9.1kDa. NRG4 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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