

Recombinant Human NRG4

Cat No:HR2R1803

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	NRG4
Gene ID	145957
Accession	Q8WWG1
Alternative Name	Pro-neuregulin-4, membrane-bound isoform, Pro-NRG4, NRG4 Recombinant Human Neuregulin-4 (NRG4)
Species	Human
Source	E. coli
Description	Neuregulins (NDF, heregulin, GGF ARIA, or SMDF) are EGF-like growth and differentiation factors that signal through tyrosine kinase receptors of the ErbB family. The ErbB2 and ErbB4 receptors cooperate in transmission of neuregulin-1 signals in the heart, whereas ErbB2 and ErbB3 cooperate in neural crest cells.
Functions	The ED(50) was determined by the phosphorylation of ErbB2 and ErbB4 receptors in CHO cells, and was found to be <math>3.0 \text{ ng/mL}</math>, corresponding to a specific activity of 3.0×10^5 Units/mg.
Formulation	Recombinant Neuregulin-4 was lyophilized from a 0.2 ?m filtered 20 mM PB, pH 6.0.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	7
Purity	>95% as determined by SDS-PAGE
Concentration	<math><1.0 \text{ EU/?g}</math> of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C . Upon reconstitution, this cytokine can be stored in working aliquots at $2^{\circ} - 8^{\circ}\text{C}$ for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.