

Recombinant Human NRG4

Cat No:HR2R1802

For research use only

Overview

Quantity	50 µg
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 dose-dependent proliferation of Raji cells and was found to be 0.05ng/mL.
Formulation	Lyophilized from a 0.2 µm filtered PBS, pH 7.4 solution.
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}/\mu\text{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° - 8°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.