

Datasheet for ABIN7607518

Neuregulin 1 Protein (NRG1) (AA 177-241)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	Neuregulin 1 (NRG1)
Protein Characteristics:	AA 177-241
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Western Blotting (WB), SDS-PAGE (SDS), Immunogen (Imm), ELISA, Activity Assay (AcA)

Product Details

Purpose:	Recombinant Human NRG1/Neuregulin-1 Protein, No tag (Active)
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	<1 EU/µg of the protein by the LAL method.
Biological Activity Comment:	Measured in a serum-free cell proliferation assay using human breast cancer cells (MCF-7). The ED50 for this effect is 20-100 ng/mL.

Target Details

Target:	Neuregulin 1 (NRG1)
Alternative Name:	Glial growth factor (NRG1 Products)
Background:	Glial growth factor, Neu differentiation factor, SMDF, Breast cancer cell differentiation factor

Target Details

p45, Pro-neuregulin-1, membrane-bound isoform, Acetylcholine receptor-inducing activity, ARIA, GGF, HRGA, Pro-NRG1, HGL, HRG, NDF, NRG1, Sensory and motor neuron-derived factor, Heregulin

UniProt: [Q02297](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Regulation of Muscle Cell Differentiation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from a solution in PBS pH 7.4, 5 % Trehalose, 5 % Mannitol.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for one week. Store at -20 to -80°C for twelve months from the date of receipt.

Expiry Date: 12 months