



**Recombinant Human NRG-1 variant
(rhNRG-1v)**
Catalog #107-10v

Description

Neuregulin is a signaling protein for ErbB2/ErbB4 receptor heterodimers on the cardiac muscle cells, playing an important role in heart structure and function through inducing ErbB2/ErbB4 receptor phosphorylation and cardiomyocyte differentiation. ScienCell's Recombinant Human NRG-1 variant is engineered for greater stability, which increases cell proliferation. The rhNRG-1v shares more than 97% amino acid identity with the native human Neuregulin and leaves ErbB2/ErbB4 receptor binding sites unmodified.

Specifications

Synonyms:	ARIA, GGF, GGF2, HGL, HRG, HRG1, HRG1, MST131, NDF, SMDF
AA Sequence:	> 97% sequence homology to native human Neuregulin
Source:	<i>Escherichia coli</i>
Molecular Weight:	7 kDa, a single non-glycosylated polypeptide chain containing 62 amino acids
Purity	> 95%
Physical Appearance:	White lyophilized powder.
Endotoxin:	<0.1 ng/μg of protein (<1 EU/μg)

Formulation

Lyophilized from a 0.2μm filtered concentrated (1mg/ml) solution in PBS, pH 7.4.

Reconstitution

Reconstitute in sterile distilled water containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL.

Shipping and Storage

Gel pack. Upon receipt, store at -20°C after receiving. Upon reconstitution, store at 2-8 °C for up to one week. For maximal stability, aliquot and store at -20 °C. Avoid repeated freeze/ thaw cycles.

Usage

rhNRG-1v is for research use only. It is not approved for human or animal use, or for application in clinical or *in vitro* diagnostic procedures.