

Product Information

MemDX™ Membrane Protein Human NRG1 (Neuregulin 1) for Antibody Discovery

Cat. No.: **MP1319J**

This product is for research use only and is not intended for diagnostic use.

This product is a 7.5 kDa Human NRG1 membrane protein expressed in E. coli. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

NRG1

Protein Length

Full-length

Protein Class

Druggable Genome, Secreted Protein, Transcription Factors, Transmembrane

Molecular Weight

7.5 kDa

TMD

1

Sequence

SHLVKCAEKEKTFCVNGGECFMVKDLSNPSRYLCKCPNEFTGDRCQNYVMASFYKHLGIEFMEAE

Product Description

Expression Systems

E. coli

Tag

Tag Free

Form

Liquid

Endotoxin

< 1 EU/μg

Purity

>95% as determined by SDS-PAGE and Coomassie blue staining

Buffer

0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

NRG1

Full Name

Neuregulin 1

Introduction

The protein encoded by this gene is a membrane glycoprotein that mediates cell-cell signaling and plays a critical role in the growth and development of multiple organ systems. An extraordinary variety of different isoforms are produced from this gene through alternative promoter usage and splicing. These isoforms are expressed in a tissue-specific manner and differ significantly in their structure, and are classified as types I, II, III, IV, V and VI. Dysregulation of this gene has been linked to diseases such as cancer, schizophrenia, and bipolar disorder (BPD).

Alternative Names

GGF; HGL; HRG; NDF; ARIA; GGF2; HRG1; HRGA; SMDF; MST131; MSTP131; NRG1-IT2

Gene ID

[3084](#)

UniProt ID

[Q02297](#)