

# 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

SHLVKCAEKEKTFVNGGECFMVKDLSNPSRYLCKCPNEFTGDRCQNYVMASFYKHLGIEFMEAE

### 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 µM 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](#)