

## Product datasheet for **TP762500**

### **NRG1 (NM\_013964) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human neuregulin 1 (NRG1), transcript variant HRG-alpha, 20Ser-230Gln, with N-terminal His tag, expressed in E.coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding the region (20Ser-230Gln) of NRG1
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	24.9kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_039258</a>
<b>Locus ID:</b>	3084
<b>UniProt ID:</b>	<a href="#">Q02297</a> , <a href="#">Q6PK61</a>
<b>RefSeq Size:</b>	2224
<b>Cytogenetics:</b>	8p12
<b>RefSeq ORF:</b>	1920
<b>Synonyms:</b>	ARIA; GGF; GGF2; HGL; HRG; HRG1; HRGA; MST131; MSTP131; NDF; NRG1-IT2; SMDF



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**Summary:**

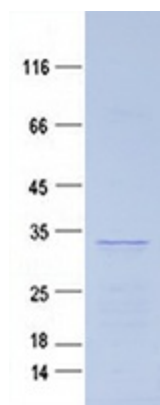
The protein encoded by this gene is a membrane glycoprotein that mediates cell-cell signaling and plays a critical role in the growth and development of multiple organ systems. An extraordinary variety of different isoforms are produced from this gene through alternative promoter usage and splicing. 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). [provided by RefSeq, Apr 2016]

**Protein Families:**

Druggable Genome, Secreted Protein, Transcription Factors, Transmembrane

**Protein Pathways:**

ErbB signaling pathway

**Product images:**

Purified recombinant protein NRG1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.