

Neuregulin 1 Active Protein | NRG1 active protein

Active Neuregulin 1 (NRG1)

CATALOG # AAA150117	APPLICATIONS Activity Assay, Cell Culture
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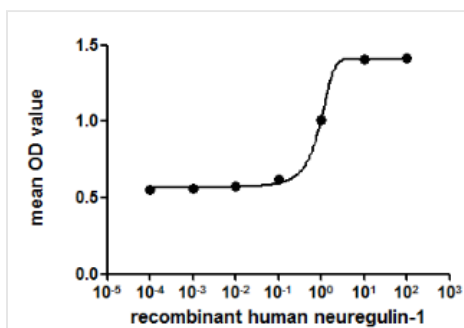
PRODUCT SYNONYMS

Neuregulin 1; Active Neuregulin 1 (NRG1); ARIA; GGF; HGL; HRG; HRGA; NDF; SMDF; Acetylcholine receptor-inducing activity; Glial growth factor; Heregulin; Neu differentiation factor; Sensory and motor neuron-derived factor; NRG1 active protein

PRODUCT SPECIFICATIONS

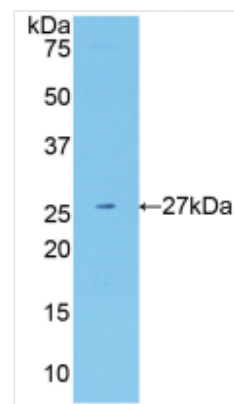
Purity/Purification	>97%
Form/Format	Freeze-dried powder 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Sequence Positions	Glu20~His242
Sequence Length	607
Applicable Applications for NRG1 active protein	Activity Assay, Cell Culture
Species	Human
Tag	N-terminal His Tag
Isoelectric Point	9
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (PH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles. Stability: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES

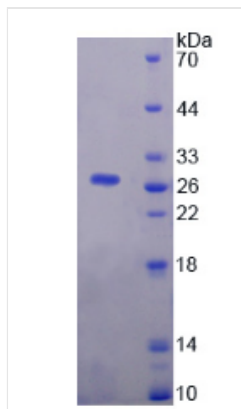


Application Data

The dose-effect curve of NRG1 was shown in Figure 2. It was obvious that NRG1 significantly promoted cell proliferation of MCF-7 cells. The ED50 for this effect is typically 5.240 to 9.112 ng/mL. Figure. The dose-effect curve of NRG1 on MCF-7 cells.



WB (Western Blot)
Figure. Western Blot



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for NRG1 active protein	Signal transduction; Neuro science
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NCBI AND UNIPROT INFORMATION

NCBI GI #	236461509
NCBI GeneID	3084
NCBI Accession #	NP_001153467.1
NCBI GenBank Nucleotide #	NP_001153467.1
UniProt Accession #	Q02297
Molecular Weight	Predicted Molecular Mass: 26.0kDa Accurate Molecular Mass: 28kDa
NCBI Official Full Name	pro-neuregulin-1, membrane-bound isoform isoform HRG-beta1c
NCBI Official Synonym Full Names	neuregulin 1
NCBI Official Symbol	NRG1
NCBI Official Synonym Symbols	GGF; HGL; HRG; NDF; ARIA; GGF2; HRG1; HRGA; SMDF; MST131; MSTP131; NRG1-IT2
NCBI Protein Information	pro-neuregulin-1, membrane-bound isoform
UniProt Protein Name	Pro-neuregulin-1, membrane-bound isoform
UniProt Gene Name	NRG1
UniProt Synonym Gene Names	GGF; HGL; HRGA; NDF; SMDF; Pro-NRG1; ARIA; HRG
UniProt Entry Name	NRG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/nrg1-active-protein/neuregulin-1/150117>