

Heregulin- β 2 (HRG2 β), Human recombinant protein
Heregulin- β 2 (HRG2 β), Human Recombinant
Catalog # PBV10382r**Specification**

Heregulin- β 2 (HRG2 β), Human recombinant protein - Product info

Primary Accession [Q02297](#)
Calculated MW **7.4 kDa (65 aa, 177-237) KDa**

Heregulin- β 2 (HRG2 β), Human recombinant protein - Additional Info

Gene ID **3084**
Gene Symbol **NRG1**
Other Names
Neuregulin-1, NRG1, GGF, HGL, HRGA, NDF, SMDF, HRG, ARIA, GGF2, HRG1

Gene Source **Human**
Source **E. coli**
Assay&Purity **SDS-PAGE; $\geq 95\%$**
Assay2&Purity2 **HPLC; $\geq 95\%$**
Recombinant **Yes**
Format
Lyophilized protein

Storage
-20°C; Lyophilized from water.

Heregulin- β 2 (HRG2 β), Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Heregulin- β 2 (HRG2 β), Human recombinant protein - Images**Heregulin- β 2 (HRG2 β), Human recombinant protein - Background**

Neuregulin/Heregulin is a family of structurally related polypeptide growth factors derived from alternatively spliced genes (NRG1, NRG2, NRG3 and NRG4). To date, there are over 14 soluble and transmembrane proteins derived from the NRG1 gene. Proteolytic processing of the extracellular domain of the transmembrane NRG1 isoforms release soluble growth factors. HRG- β 2 is a signaling protein for ErbB2/ErbB4 receptor on the cardiac muscle cells. The polypeptide is comprised of an

immunoglobulin and epidermal growth factor-like (EGF-like) domains.

Heregulin- $\beta 2$ (HRG2 β), Human recombinant protein - References

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Wen D.,et al.Mol. Cell. Biol. 14:1909-1919(1994).
Marchionni M.A.,et al.Nature 362:312-318(1993).
Ho W.-H.,et al.J. Biol. Chem. 270:14523-14532(1995).
Ota T.,et al.Nat. Genet. 36:40-45(2004).