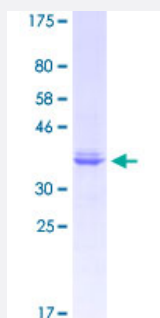


# NRP1 (Human) Recombinant Protein (Q01)

Catalog # H00008829-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                                  |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human NRP1 partial ORF (NP_003864.4, 22 a.a. - 131 a.a.) recombinant protein with GST tag at N-terminal.         |
| <b>Sequence</b>                      | FRNDKCGDTKIESPGYLTSPGYPHSYHPSEKCEWLIQAPDPYQRIMINFNPFDLED RDCKYDYV<br>EVFDGENENGHFRGKFCGKIAPPPVSSGPFLFIKFVSDYETHG |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                            |
| <b>Theoretical MW (kDa)</b>          | 37.73                                                                                                            |
| <b>Interspecies Antigen Sequence</b> | Mouse (93); Rat (93)                                                                                             |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                            |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                                |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue                                                                       |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                         |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                  |
| <b>Note</b>                          | Best use within three months from the date of receipt of this protein.                                           |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — NRP1

|                     |                                                                                                                                                                                                                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">8829</a>                                                                                                                                                                                                                                                                                          |
| GeneBank Accession# | <a href="#">NM_003873.5</a>                                                                                                                                                                                                                                                                                   |
| Protein Accession#  | <a href="#">NP_003864.4</a>                                                                                                                                                                                                                                                                                   |
| Gene Name           | NRP1                                                                                                                                                                                                                                                                                                          |
| Gene Alias          | BDCA4, CD304, DKFZp686A03134, DKFZp781F1414, NP1, NRP, VEGF165R                                                                                                                                                                                                                                               |
| Gene Description    | neuropilin 1                                                                                                                                                                                                                                                                                                  |
| Omim ID             | <a href="#">602069</a>                                                                                                                                                                                                                                                                                        |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                     |
| Gene Summary        | NRP1 is a membrane-bound coreceptor to a tyrosine kinase receptor for both vascular endothelial growth factor (VEGF; MIM 192240) and semaphorin (see SEMA3A; MIM 603961) family members. NRP1 plays versatile roles in angiogenesis, axon guidance, cell survival, migration, and invasion.[supplied by OMIM] |
| Other Designations  | OTTHUMP00000020818 OTTHUMP00000020820 OTTHUMP00000020821 neuropilin-1 transmembrane receptor                                                                                                                                                                                                                  |

## Pathway

- [Axon guidance](#)

## Disease

- [Adenocarcinoma](#)
- [Alzheimer Disease](#)
- [Anoxia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Diabetes Mellitus](#)
- [Dominance](#)
- [Esophageal Neoplasms](#)
- [Femur Head Necrosis](#)
- [Genetic Predisposition to Disease](#)
- [Hot Flashes](#)
- [Kidney Failure](#)
- [Lymphatic Metastasis](#)
- [Mental Disorders](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Recurrence](#)
- [Neovascularization](#)
- [Osteonecrosis](#)
- [Schizophrenia](#)
- [Varicose Ulcer](#)