

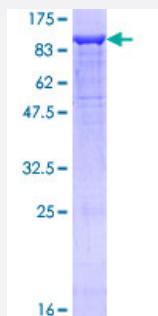
Full-Length

NRP1 (Human) Recombinant Protein (P01)

Catalog # H00008829-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NRP1 full-length ORF (AAH07533.1, 23 a.a. - 644 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

RNDKCGDTIKIESPGYLTSPGYPHSYHPSEKCEWLIQAPDPYQRIMINFNPHFDLEDNRDCKYDYVE
VFDGENENGHFRGKFCGKIAPPPVSSGPFLFKFVSDYETHGAGFSIRYEIFKRGPECSQNYTTP
SGVIKSPGFPEKYPNSLECTYVFALKMSEILEFESFDLEPDSNPPGGMFCRYDRLEIRDGFDPVG
PHIGRYCGQKTPGRIRSSSGILSMVFYTD SAIKEGFSANYSVLQSSVSEDFKCMEALGMESGEIH
SDQITASSQYSTNWSAERSRLNYPENGWTPGEDSYREWIQVDLGLLRFTAVGTQGAISKETKKK
YYVKTYKIDVSSNGEDWITKEGNKPVLFGQNTNPTDVVVAVFPKPLITRFVRIKPATWETGISMRFE
VYGCKITDYPCSGMLGMVSGLISDSQITSSNQGDNRNWMPEINRLVTSRSGWALPPAPHSYINEWL
QIDLGEKIVRGIIQGGKHRENKVFMRKFKIGYSNNGSDWKIMDDSKRKAJSFEGNNNYDTPELR
TFPALSTRFIRIYPERATHGGLGLRMELLGCEVEAPTAGPTTPNGNLVDECDDDQANCHSGTGDD
FQLTGTTVLATEKPTVIDSTIQSGIK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

94.16

Interspecies Antigen Sequence

Mouse (93); Rat (93)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	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	8829
GeneBank Accession#	BC007533
Protein Accession#	AAH07533.1
Gene Name	NRP1
Gene Alias	BDCA4, CD304, DKFZp686A03134, DKFZp781F1414, NP1, NRP, VEGF165R
Gene Description	neuropilin 1
Omim ID	602069
Gene Ontology	Hyperlink
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](#)