



Recombinant Human NRP1 Protein Product Manual

1. Product Basic Information

Product No.: REP07645

Protein Name: Neuropilin Neuropilin-Transmembrane Receptor (NRP1)

Aliases: NP1; NRP; BDCA4; CD304; VEGF165R; neuropilin neuropilin-transmembrane receptor

UniProt ID: O14786

UniProt Link: <https://www.uniprot.org/uniprotkb/O14786/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Full Length of Mature Protein of Isoform 2 (22-644aa(V179A))

Molecular Weight: 98.8 kDa

Protein Tag: C-terminal hFc1-tagged

2. Amino Acid Sequence (22-644aa(V179A))

FRNDKCGDTIKIESPGYLTSPGYPHSYHPSEKCEWLIQAPDPYQRIMINFNPHFDLE
DRDCKYDYVEVFDGENENGHFRGKFCGKIAPPPVSSGPFLFIKFVSDYETHGAGF
SIRYEIFKRGPECSQNYTTPSGVIKSPGFPEKYPNSLECTYIVFAPKMSEIILEFESFD
LEPDSNPPGGMFCRYDRLEIWDGFPDVGPHIGRYCGQKTPGRIRSSSGILSMVFYT
DSIAIAKEGFSANYSVLQSSVSEDFKCMEALGMESGEIHSDQITASSQYSTNWSAER
SRLNYPENGWTPGEDSYREWIQVDLGLLRFTAVGTQGAISKETKKKYYVKTYKID
VSSNGEDWITIKEGNKPVLQFGNTNPTDVVAVFPKPLITRFVRIKPATWETGISMRF
EYVGCKITDYPGSGMLGMVSGGLISDSQITSSNQGDRNWMPENIRLVTSRSGWALPP
APHSYINEWLQIDLGEEKIVRGIIQGGKHRENKVFMRKFKIGYSNNGSDWKMIMDD
SKRKAKSFEGNNNYDTPELRTFPALSTRFIRIYPERATHGGLGLRMELLGCEVEAPT
AGPTTPNGNLVDECDDDDQANCHSGTGDDFQLTGTTVLATEKPTVIDSTIQSGIK

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).



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Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human NRP1 full length of mature protein of isoform 2 protein (22-644aa(V179A)) expressed in Mammalian cell. The protein is with hFc1 tag at the C-terminus, which facilitates protein purification, detection and identification. NRP1, also known as NP1 or NRP or BDCA4, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.