

## HUMAN NRP2 PROTEIN, HIS TAG

**Cat.#:** 11828

**Product Name:** Human NRP2 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** NP2;NPN2;PRO2714;VEGF165R2

**Target:** NRP2

**UNIPROT ID:** O60462

**Description:** Recombinant Human NRP2 Protein with C-terminal 6xHis tag

**Background:** This gene encodes a member of the neuropilin family of receptor proteins. The encoded transmembrane protein binds to SEMA3C protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C} and SEMA3F protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F}, and interacts with vascular endothelial growth factor (VEGF). This protein may play a role in cardiovascular development, axon guidance, and tumorigenesis. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 95.9 kDa after removal of the signal peptide. The apparent molecular mass of NRP2-His is approximately 100-130 kDa due to glycosylation.

**Molecular Characterization:** NRP2(Arg21-Pro864) 6×His tag

**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Human NRP2 Protein, His Tag on SDS-PAGE under reducing condition.