

32-17942: Recombinant Human CD304 Protein, His Tag

Uniprot ID : O14786

Alternative Name : Neuropilin-1, NRP1

Description

Molecular Characterization: CD304(Phe22-Pro856) 6xHis tag

Molecular weight: The protein has a predicted molecular mass of 94.6 kDa after removal of the signal peptide. The apparent molecular mass of CD304-His is approximately 100-130 kDa due to glycosylation.

Description: Recombinant human CD304 protein with C-terminal 6xHis tag

This gene encodes one of two neuropilins, which contain specific protein domains which allow them to participate in several different types of signaling pathways that control cell migration. Neuropilins contain a large N-terminal extracellular domain, made up of complement-binding, coagulation factor V/VIII, and meprin domains. These proteins also contains a short membrane-spanning domain and a small cytoplasmic domain. Neuropilins bind many ligands and various types of co-receptors; they affect cell survival, migration, and attraction. Some of the ligands and co-receptors bound by neuropilins are vascular endothelial growth factor (VEGF) and semaphorin family members. This protein has also been determined to act as a co-receptor for SARS-CoV-2 (which causes COVID-19) to infect host cells.

Product Info

Amount : 100 µg / 50 µg

Content : Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

Storage condition : 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.