

**HUMAN ROBO1 PROTEIN, HFC TAG**

目录: 11714

产品名称: Human ROBO1 Protein

规格: 10 µg, 50 µg and 100 µg

基因符号: Deleted in U twenty twenty;H-Robo-1

**Target:** ROBO1

**UNIPROT ID:** Q9Y6N7

**描述:** Recombinant human ROBO1 protein with C-terminal human Fc tag

**背景:** Bilateral symmetric nervous systems have special midline structures that establish a partition between the two mirror image halves. Some axons project toward and across the midline in response to long-range chemoattractants emanating from the midline. The product of this gene is a member of the immunoglobulin gene superfamily and encodes an integral membrane protein that functions in axon guidance and neuronal precursor cell migration. This receptor is activated by SLIT-family proteins, resulting in a repulsive effect on glioma cell guidance in the developing brain. A related gene is located at an adjacent region on chromosome 3. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 121.8 kDa after removal of the signal peptide. The apparent molecular mass of ROBO1-hFc is approximately 100-130 kDa due to glycosylation.

**Molecular Characterization:** ROBO1(Gln26-Pro897) hFc(Glu99-Ala330)

**纯化::** The purity of the protein is greater than 95% 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.

**储存和运输:** 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.

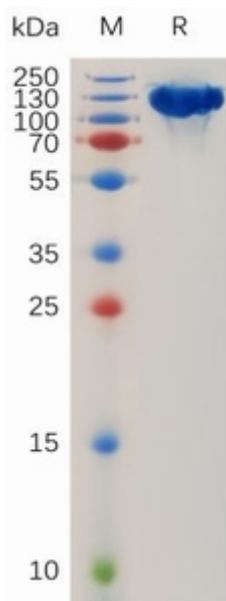


Figure 1. Human ROBO1 Protein, hFc Tag on SDS-PAGE under reducing condition.