

## HUMAN EPHB2 PROTEIN, HIS TAG

货号: 11427

产品全名: 人 EPHB2 蛋白

规格: 10/50/100 µg

基因符号 BDPLT22;CAPB;DRT;EK5;EPHT3;ERK;Hek5;PCBC;Tyro5

目标蛋白: EPHB2

**UNIPROT ID:** P29323

**描述:** Recombinant human EPHB2 protein with C-terminal 6xHis tag

**背景:** This gene encodes a member of the Eph receptor family of receptor tyrosine kinase transmembrane glycoproteins. These receptors are composed of an N-terminal glycosylated ligand-binding domain, a transmembrane region and an intracellular kinase domain. They bind ligands called ephrins and are involved in diverse cellular processes including motility, division, and differentiation. A distinguishing characteristic of Eph-ephrin signaling is that both receptors and ligands are competent to transduce a signaling cascade, resulting in bidirectional signaling. This protein belongs to a subgroup of the Eph receptors called EphB. Proteins of this subgroup are distinguished from other members of the family by sequence homology and preferential binding affinity for membrane-bound ephrin-B ligands. Allelic variants are associated with prostate and brain cancer susceptibility. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2015]

**物种/宿主:** HEK293

**分子量:** The protein has a predicted molecular mass of 58.9 kDa after removal of the signal peptide. The apparent molecular mass of EPHB2-His is approximately 55-70 kDa due to glycosylation.

**分子特征:** EPHB2(Vall19-Leu543) 6xHis tag

**纯化:** 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.

**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 EPHB2 Protein, His Tag on SDS-PAGE under reducing condition.