HUMAN EPHA4 PROTEIN, HIS TAG

Cat.#: 11420

Product Name: Human EPHA4 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: EK8;HEK8;SEK;TYRO1

Target: EPHA4

UNIPROT ID: P54764

Description: Recombinant human EPHA4 protein with C-terminal 6xHis tag

Background: This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2015]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 59.2 kDa after removal of the signal peptide. The apparent molecular mass of EPHA4-His is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: EPHA4(Val20-Thr547) 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.

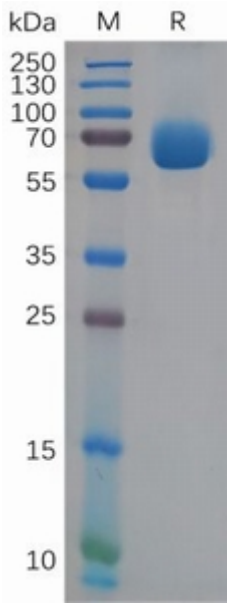

Figure 1. Human EPHA4 Protein, His Tag on SDS-PAGE under reducing condition.