

## HUMAN ECSCR PROTEIN, HFC TAG

**Cat.#:** 11937

**Product Name:** Human ECSCR Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** ARIA;ECSM2

**Target:** ECSCR

**UNIPROT ID:** Q19T08

**Description:** Recombinant Human ECSCR Protein with C-terminal human Fc tag

**Background:** The protein encoded by this gene is primarily found in endothelial cells and blood vessels, where it is involved in cell shape changes and EGF-induced cell migration. It can enhance the activation of vascular endothelial growth factor receptor-2/kinase insert domain receptor and also promote the proteolysis of internalized kinase insert domain receptor. This gene may play a role in angiogenesis-related diseases. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 36.0 kDa after removal of the signal peptide. The apparent molecular mass of ECSCR-hFc is approximately 35–70 kDa due to glycosylation.

**Molecular Characterization:** ECSCR(Gln25–Val122) hFc(Glu99–Ala330)

**Purity:** 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.

**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 ECSCR Protein, hFc Tag on SDS-PAGE under reducing condition.