HUMAN SCF PROTEIN, HFC TAG

Cat.#: 11364
Product Name: Human SCF Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: DCUA;DFNA69;FPH2;FPHH;Kitl;KL-1;MGF;SCF;SF;SHEP7;SLF
Target: SCF
UNIPROT ID: P21583
Description: Recombinant human SCF protein with C-terminal human Fc tag
Background: This gene encodes the ligand of the tyrosine-kinase receptor encoded by the KIT locus. This ligand is a pleiotropic factor that acts in utero in germ cell and neural cell development, and hematopoiesis, all believed to reflect a role in cell migration. In adults, it functions pleiotropically, while mostly noted for its continued requirement in hematopoiesis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Species/Host: HEK293
Molecular Weight: The protein has a predicted molecular mass of 47.2 kDa after removal of the signal peptide.The apparent molecular mass of SCF-hFc is approximately 55-75 kDa due to glycosylation.
Molecular Characterization: SCF(Glu26-His214) 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.

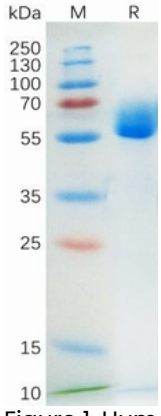

Figure 1. Human SCF Protein, hFc Tag on SDS-PAGE under reducing condition.

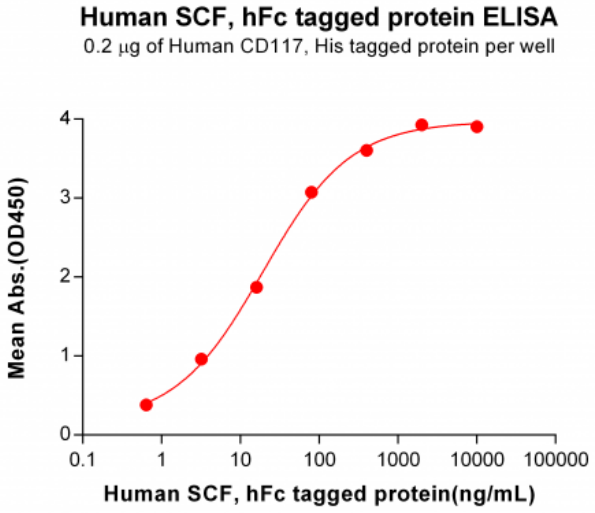

Figure 2. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human CD117, His tagged protein 11321 can bind Human SCF, hFc tagged protein (11364) in a linear range of 3.2-400 ng/ml.

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