

## **PRODUCT INFORMATION**

SCF **Target** 

**Synonyms** DCUA;DFNA69;FPH2;FPHH;Kitl;KL-1;MGF;SCF;SF;SHEP7;SLF Recombinant human SCF protein with C-terminal human Description

Fc tag **Delivery** In Stock **Uniprot ID** P21583 **Expression Host HEK293** 

Tag C-Human Fc Tag

Molecular SCF(Glu26-His214) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of 47.2 kDa **Molecular Weight** 

after removal of the signal peptide.The apparent molecular mass of SCF-hFc is approximately 55-75 kDa

due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. **Purity** 

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Formulation &

Reconstitution Please see Certificate of Analysis for specific instructions of reconstitution.

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

Storage & Shipping thawing). Lyophilized proteins are shipped at ambient

temperature.

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.

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[provided by RefSeq, Jul 2008]

Usage Research use only Conjugate Unconjugated

**Background** 





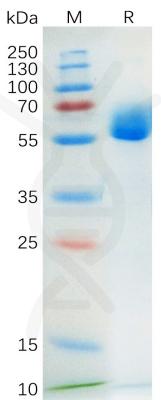


Figure 1. Human SCF Protein, hFc Tag on SDS-PAGE under reducing condition.

## Human SCF, hFc tagged protein ELISA

0.2 μg of Human CD117, His tagged protein per well

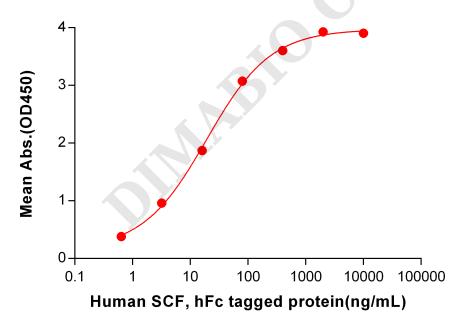


Figure 2. ELISA plate pre-coated by 1  $\mu$ g/ml (100  $\mu$ l/well) Human CD117, His tagged protein PME100519 can bind Human SCF, hFc tagged protein (PME100563) in a linear range of 3.2-400 ng/ml.

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