HUMAN CD83 PROTEIN, HFC TAG

Cat.#: 11393

Product Name: Human CD83 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: BL11;HB15

Target: CD83

UNIPROT ID: Q01151

Description: Recombinant Human CD83 Protein with C-terminal human Fc tag

Background: The protein encoded by this gene is a single-pass type I membrane protein and member of the immunoglobulin superfamily of receptors. The encoded protein may be involved in the regulation of antigen presentation. A soluble form of this protein can bind to dendritic cells and inhibit their maturation. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 40.2 kDa after removal of the signal peptide.The apparent molecular mass of CD83-hFc is approximately 35-70 kDa due to glycosylation.

Molecular Characterization: CD83(Thr20-Ala143) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 90% 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.

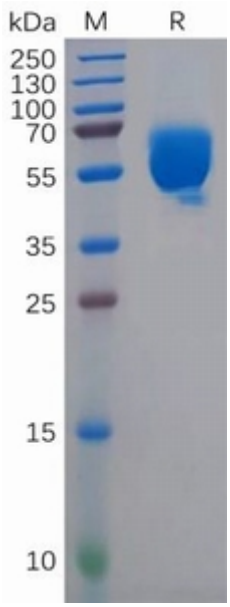

Figure 1. Human CD83 Protein, His Tag on SDS-PAGE under reducing condition.