

HUMAN CD23 PROTEIN, HIS TAG

Cat.#: 11440

Product Name: Human CD23 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: BLAST-2;CD23;CD23A;CLEC4J;FCE2;IGEBF

Target: CD23

UNIPROT ID: P06734

Description: Recombinant human CD23 protein with N-terminal 6xHis tag

Background: The protein encoded by this gene is a B-cell specific antigen, and a low-affinity receptor for IgE. It has essential roles in B cell growth and differentiation, and the regulation of IgE production. This protein also exists as a soluble secreted form, then functioning as a potent mitogenic growth factor. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 2011]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 31.8 kDa after removal of the signal peptide. The apparent molecular mass of His-CD23 is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: 6×His tag CD23(Asp48-Ser321)

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.

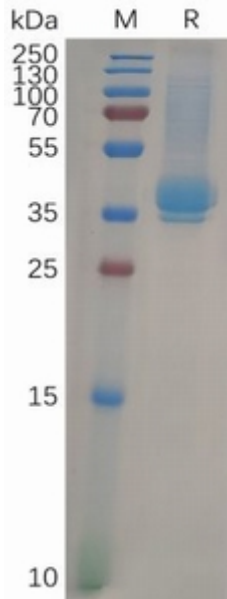


Figure 1. Human CD23 Protein, His Tag on SDS-PAGE under reducing condition.