

## 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.

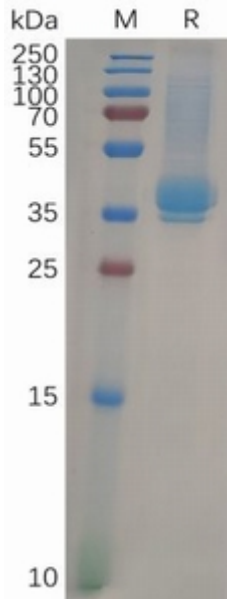


Figure 1. Human CD23 Protein, His Tag on SDS-PAGE under reducing condition.