

## HUMAN CD5 PROTEIN, HIS TAG

**Cat.#:** 11281

**Product Name:** Human CD5 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** CD5;EU1

**Target:** CD5

**UNIPROT ID:** P06127

**Description:** Recombinant human CD5 protein with C-terminal 6xHis tag

**Background:** This gene encodes a member of the scavenger receptor cysteine-rich (SRCR) superfamily. Members of this family are secreted or membrane-anchored proteins mainly found in cells associated with the immune system. This protein is a type-I transmembrane glycoprotein found on the surface of thymocytes, T lymphocytes and a subset of B lymphocytes. The encoded protein contains three SRCR domains and may act as a receptor to regulate T-cell proliferation. Alternative splicing results in multiple transcript variants encoding different isoforms.

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 39.5 kDa after removal of the signal peptide.

**Molecular Characterization:** CD5(Arg25-Pro372) 6×His tag

**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.

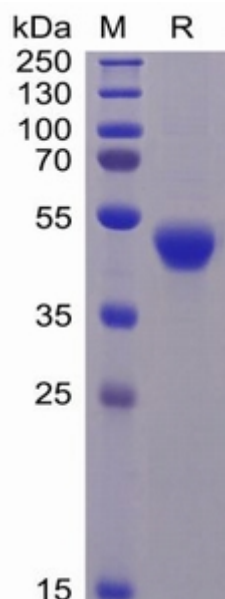


Figure 1. Human CD5 Protein, His Tag on SDS-PAGE under reducing condition.