

## HUMAN CD94 PROTEIN, HFC TAG

**Cat.#:** 11802

**Product Name:** Human CD94 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** KP43;KLRD1

**Target:** CD94

**UNIPROT ID:** Q13241

**Description:** Recombinant Human CD94 with N-terminal human Fc tag

**Background:** Natural killer (NK) cells are a distinct lineage of lymphocytes that mediate cytotoxic activity and secrete cytokines upon immune stimulation. Several genes of the C-type lectin superfamily, including members of the NKG2 family, are expressed by NK cells and may be involved in the regulation of NK cell function. KLRD1 (CD94) is an antigen preferentially expressed on NK cells and is classified as a type II membrane protein because it has an external C terminus. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2017]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 43.3 kDa after removal of the signal peptide. The apparent molecular mass of hFc-CD94 is approximately 55-70 kDa due to glycosylation.

**Molecular Characterization:** hFc(Glu99-Ala330) CD94(Lys32-Ile179)

**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.

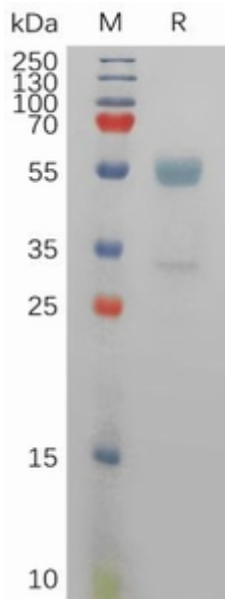


Figure 1. Human CD94 Protein, hFc Tag on SDS-PAGE under reducing condition.