

**HUMAN IL9 PROTEIN, HFC TAG****Cat.#:** 11820**Product Name:** Human IL9 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** HP40;IL-9;P40**Target:** IL9**UNIPROT ID:** P15248**Description:** Recombinant Human IL9 Protein with C-terminal human Fc tag**Background:** The protein encoded by this gene is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. The gene encoding this cytokine has been identified as a candidate gene for asthma. Genetic studies on a mouse model of asthma demonstrated that this cytokine is a determining factor in the pathogenesis of bronchial hyperresponsiveness. [provided by RefSeq, Jul 2008]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 40.3 kDa after removal of the signal peptide. The apparent molecular mass of IL9-hFc is approximately 35-70 kDa due to glycosylation.**Molecular Characterization:** IL9(Gln19-Ile144) hFc(Glu99-Ala330)**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.

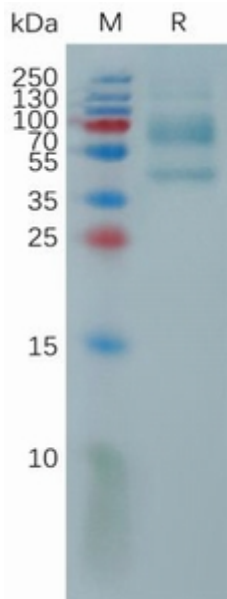


Figure 1. Human IL9 Protein, hFc Tag on SDS-PAGE under reducing condition.