PRODUCT INFORMATION

Target	IL9
Synonyms	HP40;IL-9;P40
Description	Recombinant Human IL9 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P15248
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	IL9(Gln19-Ile144) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 14.9 kDa after removal of the signal peptide. The apparent molecular mass of IL9-His is approximately 25-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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.
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]
Usage	Research use only
Conjugate	Unconjugated

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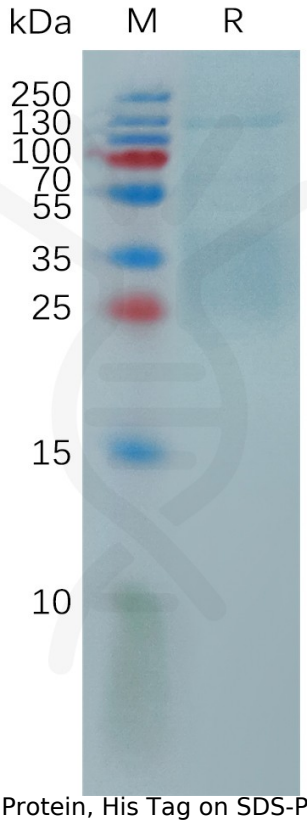


Figure 1. Human IL9 Protein, His Tag on SDS-PAGE under reducing condition.

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