

Product information

IL9, 19-144aa

Human, His-tagged, Recombinant, Insect cell

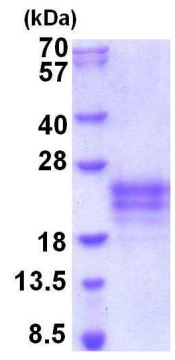
Cat. No. IBATGP2965

Full name: Interleukin-9

NCBI Accession No.: NP_000581

Synonyms: HP40, IL-9; P40

Description: Interleukin 9, also known as IL-9, is a cytokine (cell signalling molecule) belonging to the group of interleukins. This protein produced by T-cells and specifically by CD4+ helper cells that acts as a regulator of a variety of hematopoietic cells and 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. Recombinant human IL9, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

<p>Form: Liquid. In Phosphate Buffer Saline (pH 7.4) containing 10% glycerol.</p> <p>Molecular Weight: 14.9kDa (132aa) Multiple bands between 18-28kDa, reducing conditions.</p> <p>Purity: > 85% by SDS – PAGE.</p> <p>Concentration: 0.5mg/ml (determined by BCA assay)</p> <p>Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>QGCPFLAGIL DINFLINKMQ EDPASKCHCS ANVTSCCLCG IPSDNCTRPC FSERLSQMTN TTMQTRYPLI FSRVKKSVEV LKNNKCPYFS CEQPCNQTTA GNALFLKSL LEIFQKEKMR GMRGKIHHHHHH</p>	

General references:

Purwar R, Schlapbach C, *et al.* (2012). *Nat Med.* 18(8):1248-53.

Pilette C, Ouadrhiri Y, *et al.* (2002). *J Immunol.* 168(8):4103-11.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.