

AR51785PU-S

Human Interleukin-9 / IL9 (1-144, His-tag) - Purified

Alternate names:

IL-9, P40 cytokine, T-cell growth factor P40

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by BCA assay)

Background:

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.

Uniprot ID:

[P15248](#)

NCBI:

[NP_000581](#)

GeneID:

[3578](#)

Species:

Human

Format:

State: Liquid purified protein

Purity: >85% by SDS – PAGE

Buffer System: Phosphate buffer saline (pH 7.4) containing 10% glycerol.

Endotoxin Level: < 1.0 Eu per 1 microgram of protein (determined by LAL method)

Description:

Recombinant human IL9, fused to His-tag at C-terminus, was expressed in Sf9 and purified by using conventional chromatography techniques.

AA Sequence:

MLLAMVL TSA LLLCSVAGQG CPTLAGILDI NFLINKMQED PASKCHCSAN VTSCLCGLIP
SDNCTRPCFS ERLSQMTNTT MQTRYPLIFS RVKKSVEVLK N NKCPYFSCE QPCNQTTAGN
ALTFLKSLLE IFQKEKMRGM RGKIH HHHHH Red : Signal peptide

Molecular weight: 14.5 kDa (132aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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.

Pictures:

