

IL9, 1-144aa, Human, His tag, Insect cell

Cat.NO.: TP02650

3th Edition

Synonyms: Interleukin-9, 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 Sf9 and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate buffer saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 14.9kDa (132aa) Multiple bands between 18-28kDa, reducing conditions.

Sequences:

QGCPTLAGILDINFLINKMQEDPASKCHCSANVTSCCLCLGIPSDNCTRPCFSERLSQMTNTTMQTRYPLIFSRVKKS
VEVLKNNKCPYFSCEQPCNQTTAGNALTFLKSLLEIFQKEKMRGMRGKIHHHHHH

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by BCA assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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.