

Product datasheet for **AR51785PU-S**

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

Product data:

Product Type:	Recombinant Proteins
Description:	Interleukin-9 / IL9 (1-144, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression cDNA Clone or AA Sequence:	MLLAMVLTSA LLLCSVAGQG CPTLAGILDI NFLINKMQED PASKCHCSAN VTSCCLGIP SDNCTRPCFS ERLSQMTNTT MQTRYPLIFS RVKKSVEVLK NNKCPYFSCQ QPCNQTTAGN ALTFLKSLLE IFQKEKMRGM RGIHHHHHHH Red : Signal peptide
Tag:	His-tag
Predicted MW:	14.5 kDa
Concentration:	lot specific
Purity:	>85% by SDS – PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate buffer saline (pH 7.4) containing 10% glycerol.
Endotoxin:	< 1.0 Eu per 1 microgram of protein (determined by LAL method)
Preparation:	Liquid purified protein
Protein Description:	Recombinant human IL9, fused to His-tag at C-terminus, was expressed in Sf9 and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000581
Locus ID:	3578
UniProt ID:	P15248
Cytogenetics:	5q31.1
Synonyms:	HP40; IL-9; P40



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Summary:

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]

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

Asthma, Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Product images: