

Active Recombinant Rat IL9 Protein, His-tagged

Cat. No. IL9-1117R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant rat IL9 (NP_001099217.1) (Met1-Ala144) was expressed with a polyhistidine tag at the C-terminus.
Species	Rat
Source	Insect Cells
ProteinLength	1-144 a.a.
Predicted N Terminal	Gln 19
Form	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, 5%~8% trehalose and mannitol.
Bio-activity	Measured in a cell proliferation assay using MC/9-2 mouse mast cells. The ED50 for this effect is typically 19.8-79.2 ng/mL.
Molecular Mass	The recombinant rat IL9 consists 137 amino acids and predicts a molecular mass of 15.6 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	IL9 interleukin 9 [Rattus norvegicus]
Official Symbol	IL9
Synonyms	IL9; interleukin 9; interleukin-9;
Gene ID	116558
mRNA Refseq	NM_001105747
Protein Refseq	NP_001099217
MIM	
UniProt ID	
Pathway	Asthma, organism-specific biosystem; Asthma, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; IL-9 Signaling Pathway, organism-specific biosystem; Jak-ST
Function	cytokine activity; growth factor activity; interleukin-9 receptor binding;

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