

**IL-9/Cytokine P40 (C-6His), Human, Recombinant**

Cat. No. : PCK206

**General Information**

<b>Synonyms</b>	Interleukin-9;IL-9;Cytokine P40;T-Cell Growth Factor P40;IL9
<b>Species</b>	Human
<b>Expression host</b>	Human Cells
<b>Sequence</b>	Gln19-Ile144
<b>Accession</b>	P15248
<b>Tag</b>	C-6His
<b>Mol mass</b>	15.2 kDa
<b>Expiration date</b>	12 months

**Product feature**

<b>Purity</b>	> 95% as determined by reducing SDS-PAGE.
<b>Endotoxin (EU/μg)</b>	< 0.1
<b>Storage</b>	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
<b>Shipping</b>	Ice bag
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Background**

Interleukin-9 (IL-9) is a secreted Protein that belongs to the IL-7/IL-9 family. IL-9 supports IL-2 independent and IL-4 independent growth of helper T-cells. IL-9 stimulates cell proliferation and prevents apoptosis. It functions through the IL-9 Receptor (IL-9R), which activates different signal transducer and activator (STAT) Proteins and thus connects this Cytokine to various biological processes. IL-9 has been identified as a candidate gene for asthma. IL-9 is a determining factor in the pathogenesis of bronchial hyperresponsiveness.