

Recombinant Human IL-9 Catalog No: CA17

Description Recombinant Human Interleukin-9 is produced by our Mammalian expression system and the target gene

encoding Glu19-Ile144 is expressed with a 6His tag at the C-terminus.

Source Human Cells

Alternative name Interleukin-9; IL-9; Cytokine P40; T-Cell Growth Factor P40; IL9

Accession No. P15248

Formulation Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl, pH7.4.

Quality Control Purity: Greater than 95% as determined by reducing SDS-PAGE.

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Shipping The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

Storage Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Amino Acid Sequence

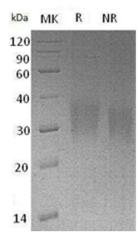
Reconstitution

QGCPTLAGILDINFLINKMQEDPASKCHCSANVTSCLCLGIPSDNCTRPCFSERLSQMTNTTMQTRYPLIF SRVKKSVEVLKNNK CPYFSCEQPCNQTTAGNALTFLKSLLEIFQKEKMRGMRGKIVDHHHHHH

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.

Background



SDS-Page

