

IL-9 Protein, Cynomolgus, Recombinant (His)

General Information

Synonyms:	P40;HP40;IL-9;T-cell growth factor P40;Interleukin-9;Cytokine P40
Protein Construction:	Arg19-Ile144
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	A0A7N9IA33
Molecular Weight:	14.01 kDa (predicted). Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	Immobilized Cynomolgus IL-9, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-IL-9 Antibody, hFc Tag with the EC50 of 6.8 ng/mL determined by ELISA.(QC Test)
Purity:	> 95% as determined by Tris-Bis PAGE
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

IL-9 is a pleiotropic cytokine that influences various distinct functions of different target cells such as T cells, B cells, mast cells and airway epithelial cells by activating STAT1, STAT3 and STAT5. Because of its pleiotropic functions, IL-9 has been demonstrated to be involved in several diseases, such as cancer, autoimmunity and other pathogen-mediated immune-regulated diseases. In this review, we focus on the role of Th9 and IL-9-producing cells in allergic asthma.

Reference

Koch S, Sopel N, Finotto S. Th9 and other IL-9-producing cells in allergic asthma. *Semin Immunopathol.* 2017 Jan; 39(1):55-68. doi: 10.1007/s00281-016-0601-Epub 2016 Nov 17. PMID: 27858144.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481