

Recombinant Canine Interleukin-3

Catalog No: #AP60217

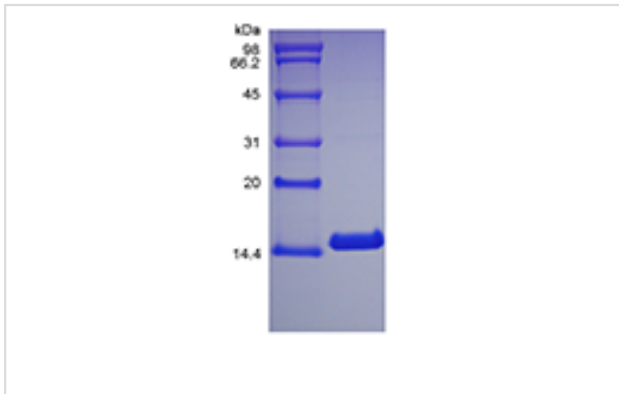
Package Size: #AP60217-1 10ug #AP60217-2 100ug #AP60217-3 500ug

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Description

Product Name	Recombinant Canine Interleukin-3
Host Species	Escherichia coli.
Purification	> 97 % by SDS-PAGE and HPLC analyses.
Other Names	Hematopoietic Growth Factor, MCGF, Multipotential Colony-stimulating Factor, P-cell-stimulating Factor
Uniprot	Q9BDX4
GeneID	481497
Calculated MW	Approximately 14.0 kDa, a single non-glycosylated polypeptide chain containing 120 amino acids.
Target Sequence	RPFSTDLPKQ YFTMINEIME MLNKSPSPSE EPLDSNEKET LLEDTLRPN LDVFLNASSK FHKNGLLIWN NLKEFLPLLP TPTPRGEPIS IMENNWGDFQ RKLKYLEAL DNFLNFKNKP
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Images



Background

Interleukin-3 (IL-3) is a type of biological signal (cytokine) which is encoded by the IL-3 gene located on chromosome 5 and produced primarily by activated T cells beside human thymic epithelial cells, activated murine mast cells, murine keratinocytes and neurons/astrocytes. The protein acts in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. The canine IL-3 reported to be a monomer, as it is known, contains 120 amino acids residues which is a single non-glycosylated polypeptide. The canine IL-3 shares < 40 % amino acid sequence identity with IL-3 of other mammals.

Note: This product is for in vitro research use only