

Active Recombinant Canine IL5 Protein, His-tagged

Cat. No. IL5-2177C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Canine IL5 Protein extracellular domain (NP_001006951.1) (Met 1-Ser 134) was expressed in baculovirus-Insect cells with a polyhistidine tag at the N-terminus.
Species	Canine
Source	Insect Cells
ProteinLength	1-134 a.a.
Form	Lyophilized Powder
Bio-activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is typically 2-8 ng/mL.
Molecular Mass	The recombinant canine IL5 consists of 123 amino acids and has a predicted molecular mass of 14.5 kDa. As a result of glycosylation, the apparent molecular mass of the canine IL5 is approximately 17-19 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 98 % as determined by SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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Storage buffer 20mM Tris, 500mM NaCl, pH 8.5, 10% gly

GENE INFORMATION

Gene Name IL5 interleukin 5 [*Canis lupus familiaris* (dog)]

Official Symbol IL5

Synonyms IL-5; T-cell replacing factor; TRF; eosinophil differentiation factor; interleukin 5 (colony-stimulating factor, eosinophil)

Gene ID 403790

mRNA Refseq NM_001006950.1

Protein Refseq NP_001006951.1

UniProt ID Q95J76

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