

Datasheet for ABIN2018130 **IL-5 Protein (AA 20-132)**



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Overview

Quantity:	50 µg
Target:	IL-5 (IL5)
Protein Characteristics:	AA 20-132
Origin:	Rat
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 0.5 ng/mL, measured in a proliferation assay using TF-1 Cells.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	IL-5 (IL5)
Alternative Name:	Interleukin-5 (IL-5) (IL5 Products)
Background:	Interleukin-5 (IL-5), produced by mast cells, T cells and eosinophils, mediates the activities of eosinophil differentiating factor, B cell growth factor II and T cell-replacing factor (TRF). It can increase production and mobilization of eosinophils and CD34+ progenitors from the bone marrow. IL-5 plays an important role in inducing cell-mediated immunity against parasitic infections and certain tumors. IL-5 also promotes differentiation of basophils and primes them

Target Details

	for histamine and leukotriene release. Synonyms: EDF, BCDFII, TRF
Molecular Weight:	13-21 kDa, observed by reducing SDS-PAGE.
UniProt:	Q08125
Pathways:	JAK-STAT Signaling , Positive Regulation of Peptide Hormone Secretion , Production of Molecular Mediator of Immune Response , Feeding Behaviour

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant Rat Interleukin-5 remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Rat Interleukin-5 should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.
Expiry Date:	6 months