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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

IL5 (Human) Recombinant Protein

Catalog Number: P8277

Regulation Status: For research use only (RUO)

Product Description: Human IL5 (P05113, 18 a.a. - 130 a.a.) partial recombinant protein expressed in *Escherichia coli*.

Sequence:

MIPTIPTSALVKETLALLSTHRTLIIANETLRIPVPVHKN
HQLCTEEIFQGIGTLESQTVQGGTVERLFKNLSLIKYYI
DGQKKKCGEERRRVNQFLDYLQEFLGVMNTEW

Host: *Escherichia coli*

Theoretical MW (kDa): 26.5

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product
page for detailed protocols

Form: Lyophilized

Preparation Method: *Escherichia coli* expression
system

Purity: > 98% by SDS-PAGE

Activity: The ED₅₀ is < 0.15 ng/mL as determined by the
dose-dependant stimulation of the proliferation of TF-1
cells, corresponding to a specific activity of > 6.0 x
10⁶ IU/mg.

Recommend Usage: Biological Activity
SDS-PAGE

The optimal working dilution should be determined by
the end user.

Storage Buffer: Lyophilized from sterile distilled Water
is > 100 ug/mL

Storage Instruction: Store at 2°C to 8°C for 1 week.
For long term storage, aliquot and store at -20°C to
-80°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3567

Gene Symbol: IL5

Gene Alias: EDF, IL-5, TRF

Gene Summary: The protein encoded by this gene is a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. This cytokine is a main regulator of eosinopoiesis, eosinophil maturation and activation. The elevated production of this cytokine is reported to be related to asthma or hypereosinophilic syndromes. The receptor of this cytokine is a heterodimer, whose beta subunit is shared with the receptors for interleukine 3 (IL3) and colony stimulating factor 2 (CSF2/GM-CSF). This gene, together with those for interleukin 4 (IL4), interleukin 13 (IL13), and CSF2, form a cytokine gene cluster on chromosome 5. This cytokine, IL4, and IL13 are found to be regulated coordinately by long-range regulatory elements spread over 120 kilobases on chromosome 5q31. [provided by RefSeq]