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Produktinformation



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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

IL13 (Human) Recombinant Protein

Catalog Number: P8337

Regulation Status: For research use only (RUO)

Product Description: Human IL13 (P35225, 35 a.a. - 146 a.a.) partial recombinant protein with a substitution of Q for R at position 112 expressed in *Escherichia coli*.

Sequence:

SPGPVPPSTALRELIEELVNITQNQKAPLCNGSMVWSI
NLTAGMYCAALESINVSGCSAIEKTQRMLSGFCPHKV
SAGQFSSLHVRDTKIEVAQFVKDLLHLKLFREGQFN

Host: *Escherichia coli*

Theoretical MW (kDa): 12.5

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: > 95% by SDS-PAGE

Activity: The ED₅₀ is < 1 ng/mL as determined by the
dose dependent proliferation of TF-1 cells, corresponding
to a specific activity of > 1.0 x 10⁶ units/mg. This analog
has also been shown to exhibit increased in vivo activity
compared to wild type IL-13.

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: 3596

Gene Symbol: IL13

Gene Alias: ALRH, BHR1, IL-13, MGC116786,
MGC116788, MGC116789, P600

Gene Summary: This gene encodes an
immunoregulatory cytokine produced primarily by
activated Th2 cells. This cytokine is involved in several
stages of B-cell maturation and differentiation. It up-
regulates CD23 and MHC class II expression, and
promotes IgE isotype switching of B cells. This cytokine
down-regulates macrophage activity, thereby inhibits the
production of pro-inflammatory cytokines and
chemokines. This cytokine is found to be critical to the
pathogenesis of allergen-induced asthma but operates
through mechanisms independent of IgE and
eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a
cytokine gene cluster on chromosome 5q, with this gene
particularly close to IL4. [provided by RefSeq]