



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



Interleukin-36 alpha, mouse recombinant (rmIL-36alpha)

Catalog No: 97512
Lot No: XXXXX
Source: *E. coli*
Synonyms: Interleukin 36 alpha, FIL1E, IL1F6, FIL1, IL1(EPSILON), interleukin 1 family member 6 (epsilon), MGC129552, MGC129553

Background

Murine IL-36a belongs to the IL-1 family that includes IL-1b, IL-1a, IL-1ra, IL-18, IL-36a (IL1F5), IL-36b (IL1F8), IL-36g (IL1F9), IL-37 (IL1F7) and IL-38 (IL-1F10). The IL-1 family members display a 12 b-strand, b-trefoil configuration, and are thought to have ascended from a mutual ancestral gene. Murine IL-36a is a 160 amino acid intracellular and secreted protein which holds no signal sequence, no prosegment and no potential N-linked glycosylation sites. IL-36a is released as a reaction to LPS and the cell ATP-induced activation of the P2X7 receptor. Mouse to human, full length IL-36a/IL-1F6 shares 54% aa sequence homology. IL-36a is mostly found in skin and lymphoid tissues, but also in fetal brain, trachea, stomach and intestine.

Description

IL36A mouse recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 160 amino acids and having a molecular mass of 21.0 kDa. IL36A is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2 µm filtered concentrated solution in 1xPBS, pH 7.4.

Solubility

It is recommended to reconstitute the lyophilized IL36A in sterile 18 MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized IL36A, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL36A should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Purity

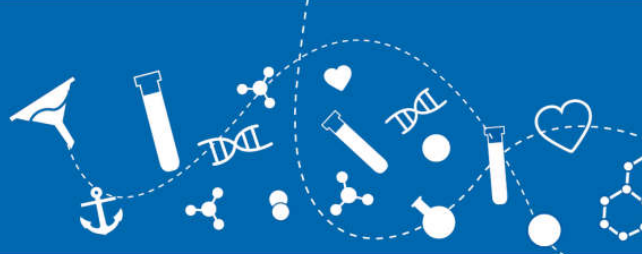
Greater than 95.0% as determined by SDS-PAGE.

Amino Acid Sequence

MNKEKELRAA SPSLRHVQDL SSRVWILQNN ILTAVPRKEQ TVPVTITLLP CQYLDLTLETN RGDPTYMGVQ RPMSCLFCTK
DGEQPVLQLG EGNIMEMYNK KEPVKASLFY HKKSGTTSTF ESAAFPWF I AVCSKGCPL ILTQELGEIF ITDFEMIVVH

Activity

Measured by its binding ability in a functional ELISA to bind recombinant mouse IL-1 Rrp2.



Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.