9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IL36A 153 a.a. Mouse

Interleukin-36 Alpha 153 a.a Mouse Recombinant
CYK0433

Product Overview

Name	IL36A 153 a.a. Mouse
Description	
Interleukin-36 Alpha 153 a.a Mouse Recombinant	
Accession (Primary)	Q9JLA2
Synonyms	
Interleukin 36 alpha, FIL1E, IL1F6, FIL1, IL1(EPSILON), interleukin 1 family member 6 (epsilon), MGC129552, MGC129553.	
Introduction	
Murine IL-36a belongs to the IL-1 family that includes IL-1b, IL-1a, IL-1ra, IL-18, IL-36ra (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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2?m filtered concentrated solution in 1xPBS, pH 7.4 and 5% trehalose.	
Stability	
Lyophilized IL36A 153 a.a. Mouse although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL36A 153 a.a. Mouse 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 and HPLC analyses.	
Amino acid sequence	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RAASPSLRHV QDLSSRVWIL QNNILTAVPR KEQTVPVTIT LLPCQYLDTL ETNRGDPTYM GVQRPMSCLF CTKDGEQPVL QLGEGNIMEM YNKKEPVKAS LFYHKKSGTT STFESAAFPG WFIAVCSKGS CPLILTQELG EIFITDFEMI VVH

Biological Activity

Fully biologically active when compared to standard. The ED50 as measured by its ability to induce IL-6 secretion in NIH-3T3 mouse embryonic fibroblast cells is less than 20ng/ml, corresponding to a specific activity of 50,000IU/mg.

Solubility

It is recommended to reconstitute the lyophilized IL36A 153 a.a. Mouse in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL36A 153 a.a. Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9JLA2)