IL-36β/ IL-36b/ IL-1F8, Mouse, Recombinant

货号：PCK261

产品信息

别名	Il36b; Interleukin-36 beta; Interleukin-1 family member 8; IL-1F8; Fil1e; Il1f8
物种	Mouse
表达宿主	E.coli
序列信息	Ser31-Lys183
检索号	Q9D6Z6
分子量	17.6 kDa

产品特性

纯度	>95% as determined by reducing SDS-PAGE.
内毒素	<1.0 EU per μg as determined by LAL test.
保存	Lyophilized protein should be stored at -5~-20℃, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20℃ for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM Nacl, 1mM EDTA, pH 8.0.

复融	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100 μg/ml.Dissolve the lyophilized protein in distilled water.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

背景介绍

Mouse Interleukin 36 beta (IL-36B)is a member of the IL-1 family of Proteins. It is a Cytokine that binds to and signals through the IL1RL2/ IL-36R Receptor which in turn activates NF-kappa-B and MAPK signaling pathways in target cells linked to a pro-inflammatory response. IL-36B is synthesized in several cells including resting and activated monocytes, and B cells. The Receptor for IL-36 beta is thought to be a combination of IL-1 Rrp2 and IL-1 RAcP. Interleukin 36 beta is one part of the IL-36 signaling system that is thought to be present in epithelial barriers and to take part in local inflammatory response; similar to the IL-1 system with which it shares the coReceptor IL1RAP. Interleukin 36 beta are involved in a number of fundamental biological processes such as stimulating production of Interleukin-6 and Interleukin-8 in synovial fibrobasts, articular chondrocytes and mature adipocytes, inducing expression of a number of antimicrobial peptides including beta-defensin 4 and beta-defensin 103 as well as a number of matrix metalloproteases , inducing the production of proinflammatory Cytokines in bone marrow-Derived dendritic cells (BMDCs), including IL-12, Il-1 beta, IL-6, TNF-alpha and IL-23, and activating p38 MAPK phosphorylation in BMDCs.Moreover, Interleukin 36 beta may be involved in skin inflammatory response by acting on keratinocytes, dendritic cells, and indirectly on T cells to drive tissue infiltration, cell maturation and cell proliferation. It plays an important role in dendritic cell maturation by stimulating the surface expression of CD80, CD86 and MHC class II and inducing the production of IFN-gamma, IL-4 and IL-17 by T helper 1 (Th1) cells, cultured CD4+ T cells and splenocytes.

SDS-PAGE