

IL-1 α /IL1F1, Human, Recombinant

Cat. No. : PCK045

General Information

Synonyms	Interleukin-1 Alpha;IL-1 Alpha;Hematopoietin-1;IL1A;IL1F1
Species	Human
Expression host	E.coli
Sequence	Ser113-Ala271
Accession	P01583
Mol mass	18 KDa
Expiration date	12 months
Bio activity	Measured by its ability to induce NF-kB signaling in 293-IL1 Res cells. The ED50 for this effect is 0.4-2.0 ng/mL.

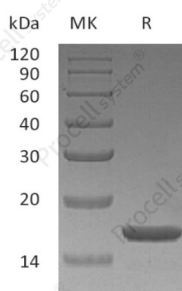
Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μ m filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 7.5.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

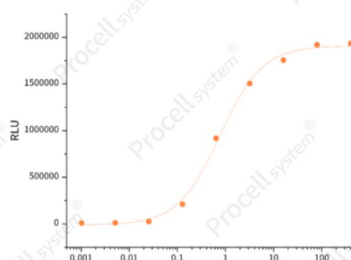
Background

Interleukin-1 alpha (IL-1 α) is a cytokine member of the interleukin-1 family. IL-1 consists of two distinct forms: IL-1 α and IL-1 β that recognize the same cell surface receptors but are distinct proteins with approximately 25% amino acid sequence identity. IL-1 α is constitutively produced by epithelial cells and plays an essential role in maintenance of skin barrier function. Upon stimulation, a wide variety of cells including osteoblasts, monocytes, macrophages can be induced to express IL-1 α . IL-1 α possesses a wide range of metabolic, physiological, haematopoietic activities, and is critically involved in the regulation of the immune responses and inflammatory responses.

SDS-PAGE



Bio activity



Measured by its ability to induce NF- κ B signaling in 293-IL1 Res cells. The ED50 for this effect is 0.4-2.0 ng/mL.

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