IL-1β/IL1F2, Human, Recombinant

Cat. No. : PCK047

General Information

Synonyms	Interleukin-1 beta;Catabolin;IL1F2;IL1B
Species	Human
Expression host	E.coli
Sequence	Ala117-Ser269
Accession	P01584
Mol mass	17.5 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 20-100 pg/mL.

Product feature

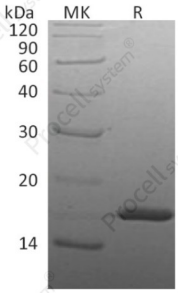
Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, 8% Trehalose, 4% Mannitol, 0.02% Tween-80, pH 7.4.
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 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Background

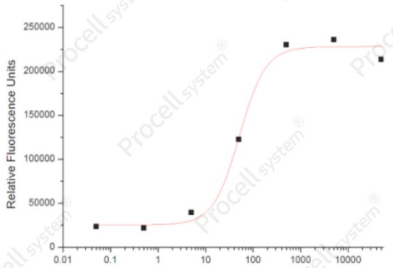
IL1B belongs to the IL-1 family. Interleukin 1 (IL-1) is a family of polypeptide cytokines consisting of two agonists, IL-1 alpha (IL-1F1) and IL-1 beta (IL-1F2) encoded by two distinct genes and perform identical biological function s. IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response. It is identified as endogenous pyrogens, and is reported to stimulate the release of prostaglandin and collagenase from synovial cells.

Procell system®

SDS-PAGE



Bio activity



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