# IL-1α/IL1F1, Mouse, Recombinant

**Cat. No. : PCK046**

## General Information

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| **Synonyms** | Interleukin-1 Alpha;IL-1 Alpha;Il1a |
| **Species** | Mouse |
| **Expression host** | E.coli |
| **Sequence** | Ser115-Ser270 |
| **Accession** | P01582 |
| **Mol mass** | 18 KDa |
| **Expiration date** | 12 months |

## Product feature

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| **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 Tris-HCl, 6% Sucrose, 2% Mannitol, 50 mM Arginine, 0.03% Tween80, pH 8.0. |
| **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

Mouse Interleukin-1 (IL-1) designates two proteins, IL-1α and IL-1β, which are the products of distinct genes, but recognize the same cell surface receptors. IL-1α and IL-1β are structurally related polypeptides that show approximately 25% homology at the amino acid level. Both proteins are produced by a wide variety of cells in response to stimuli such as those produced by inflammatory agents, infections, or microbial endotoxins. The proteins are synthesized as 31 kDa precursors that are subsequently cleaved into proteins with molecular weights of approximately 17.5 kDa.

## SDS-PAGE

