|  |
| --- |
| 1. Identification |

Product name: Recombinant Protein Mouse interleukin 1 beta

Reactions: 20 micrograms

Cat. No.: PRA-ReMIl

|  |
| --- |
| 2. Description |

IL-1b is an important inflammatory cytokine produced by several types of cells, especially activated macrophages. This is an important innate immune cytokine against microbial infections and plays an important role in the immune response to microbial invasions and in the infectious shocks. The cytokine has a molecular mass each of 17 kilo Daltons. Recombinant mouse IL-1b can be intended for use in cell culture applications. Recombinant mouse IL-1b is produced in E.coli BL21 transfected with the full-length sequence for the mouse IL-1b gene in the PET21b+.

|  |
| --- |
| 3. Kit Contents |

|  |  |  |
| --- | --- | --- |
| Component | **Cat. no** | Quantity |
| lyophilized recombinant lyophilized recombinant Mouse IL1-B | PRA-ReIL1 | 20 µg |

Caution: Please wear gloves when using this product. Avoid all skin contact with kit reagents. In case of contact, wash thoroughly with water.

|  |
| --- |
| 4. Storage specifications |

-  Recombinant Protein Mouse IL1-B is shipped and stored at -20C.

- Upon receipt, add 1 mL sterile distilled water and prepare aliquots of Recombinant Protein Mouse IL1-B and store at -20°C for 12 months.

**Note:** Avoid repeated freeze-thaw cycles.

|  |
| --- |
| 5. Applications |

All molecular biology applications, such as:

|  |
| --- |
| 6. Assay Procedure |

Purity greater than 98% as determined by

SDS-PAGE.

- Endotoxin levels <0.1 EU/µg as determined using a kinetic chromogenic LAL assay.

- Biological activity was not tested.

- Did not Sterile. Please sterile after reconstitution using 0.22 µm filter.

- Expression system: E. coli BL21 strain

- Accession: Q6ICR7

- Protein length: Full length protein

- Animal free: Yes

- Carrier free: Yes

- Nature: Recombinant

- Predicted molecular weight: 8.7 kDa

CHARACTERISTICS

Source: Bacteria; E. coli BL21

Predicted molecular mass:≈ 8.7 kDa (as determined by SDS-PAGE)

Formulation:

Recombinant Protein Mouse IL1-B needs to be sterilized by filtered from 0.22 µm filter.

Solubility: 20 µg/ml in water

|  |
| --- |
| 7. Safety |

|  |
| --- |
| 8. Quality Certifications |

|  |
| --- |
| 9. Further information |

This product is developed, designed, and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

|  |
| --- |
| 10. Other Kits |

Recombinant Human TNF-α, Recombinant Human IL-1,

Recombinant Human IL-2, Recombinant Human IL-4

Recombinant Human IL-6, Recombinant Human IL-8

Recombinant Human IL-10, Recombinant Human IL-12

Recombinant Human IL-13, Recombinant Human IL-17A

Recombinant Human IL-18, Recombinant Human IL-29

Recombinant Human IFN, Recombinant Human TGF

Recombinant Human VEGF, Recombinant Human CXCL10

Recombinant Human CXCL12, Recombinant Human CCL2

Recombinant Human CCL3