

## Human IL-1a Recombinant Protein(GMP Grade)

### Animal-free, Ampicillin-free

Cat #: BGT-PCT-12621

Size: 50ug 500ug 1mg

**Storage:** Lyophilized protein should be stored at  $\leq -20^{\circ}\text{C}$ , and the validity period is shown in the bottle body.

**Shipping:** The product is shipped at  $4^{\circ}\text{C}$ .

**Synonyms:** Interleukin-1 Alpha; IL-1 Alpha; Hematopoietin-1; IL1A; IL1F1

### Product Information

**Expression System:** Escherichia coli

**Species of Origin:** Human

**Description:** Recombinant human IL-1a protein is expressed by Escherichia coli and prepared with animal-free materials and pharmaceutical excipients.

**Form:** Lyophilized

### Quality Control

**Appearance:** white loose

**Redissolve:** comply with regulations

**Visible foreign body:** comply with regulations

**pH value:** 7.0-8.0

**Purity:**  $\geq 95\%$

**Bacterial endotoxin content:**  $< 10 \text{ EU/mg}$

**Host protein residue:**  $\leq 0.005\%$

**Exogenous DNA residue:**  $\leq 10 \text{ ng/mg}$

**Mycoplasma test:** Not detected

**Sterility check:** comply with regulations

## Specification

**recombinant proteins are manufactured in ISO 13485:2016 and GMP-certified facility. The processes include:**

- Animal-free reagent and laboratory
- Manufactured and tested under GMP guideline
- Testing and traceability of raw material
- Records of the maintenance and equipment calibration
- Personnel training records
- Batch-to-batch consistency
- Documentation of QA control and process changes
- Manufactured and tested under an ISO 13485:2016 certified quality management system
- Stability monitor of product shelf-life

## Instructions for use:

1. Check the storage conditions and product validity before use.
2. Redissolve with water for injection, protein concentration > 100  $\mu$ g/ml.
3. Product redissolution and packaging, strict control of sterility, no pyrogen.
4. The product can be frozen at -70 °C after remelting and packaging, and protein denaturation and other possible pollution risks caused by repeated freezing and thawing should be avoided.

### Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.