

# Recombinant Human IL-1A(*E. coli*-expressed)

Catalog Number : mly01921H

## Characteristics:

<b>Source</b>	<i>E. coli</i>
<b>Description</b>	Human IL-1A (Ser113-Ala271) Accession # Q53QF9
<b>Predicted molecular mass</b>	18.0kDa

## Specification:

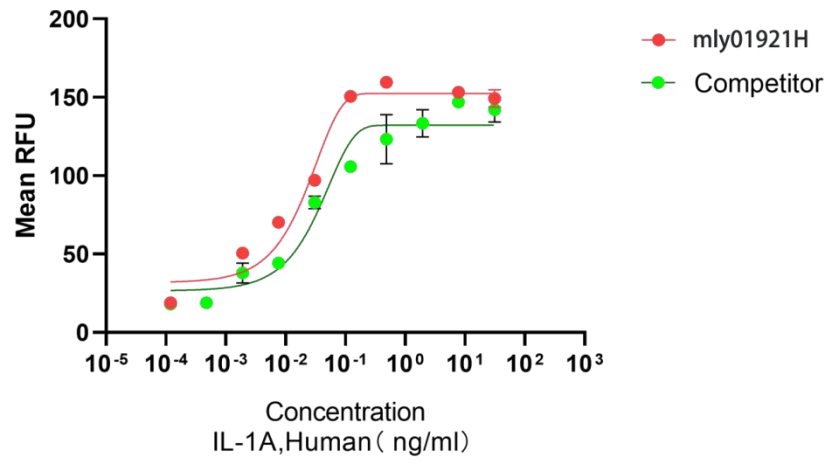
<b>Appearance</b>	White powder, Colorless clear liquid after reconstitution
<b>Purity</b>	≥95%, by SDS-PAGE (under reducing (R)& Non-reducing conditions, visualized by Coomassie staining)
<b>Endotoxin</b>	≤100 EU/mg by the LAL method
<b>Activity</b>	Measured by its ability to induce NF-kB reporter activity by the reporter gene assay. The ED <sub>50</sub> for this effect is ≤0.05ng/ml.
<b>Formulation</b>	Lyophilized from a 0.22 μm filtered solution containing 10mM PB, 5% Trehalose and 0.01% Tween 80, pH7.4
<b>Size</b>	50 μg/vial, 1 mg/vial

## Handling and Storage:

<b>Reconstitution</b>	It is recommended to redissolve in sterile deionized water.
<b>Shipping</b>	The product is shipped with blue ice
<b>Storage &amp; Stability</b>	36 months at -20°C to -80°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

## Data:

### Bioactivity



Human IL1 $\alpha$  (Cat. No. mly01921H ) induces NF-kB reporter activity by the reporter gene assay.The ED<sub>50</sub> for this effect is  $\leq 0.05$ ng/ml. The activity of Human IL1 $\alpha$  (Cat. No. mly01921H )was higher than the other competing product.