

# Recombinant Arginase II (Arg2)

## Instruction Manual

**SIPD463Hu01**

**Homo sapiens (Human)**

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Mitochondrion
<b>Predicted Molecular Mass</b>	37.6kDa
<b>Accurate Molecular Mass</b>	44kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Val23~Ile354 with N-terminal His Tag
<b>Buffer Formulation</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 90%
<b>Isoelectric Point</b>	5.7
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

### SEQUENCE

```
VHSSVAVIG APFSQGQKRK GVEHGPAAIR  
EAGLMKRLSS LGCHLKDFGD LSFTVPVKDD LYNNLIVNPR SVGLANQELA  
EVVSRAVSDG YSCVTLGGDH SLAIGTISGH ARHCPDLCVV WVDHADINT  
PLTTSSGNLH GQPVSFLLRE LQDKVPQLPG FSWIKPCISS ASIVYIGLRD  
VDPPEHFILK NYDIQYFSMR DIDRLGIQKV MERTFDLLIG KRQRPIHLSF  
DIDAFDPTLA PATGTPVVG LTYREGMYIA EEIHNTGLLS ALDLVEVNPQ  
LATSEEEAKT TANLAVDVIA SSFGQTREGG HIVYDQLPTP SSPDESENQA  
RVRI
```

### USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## Image

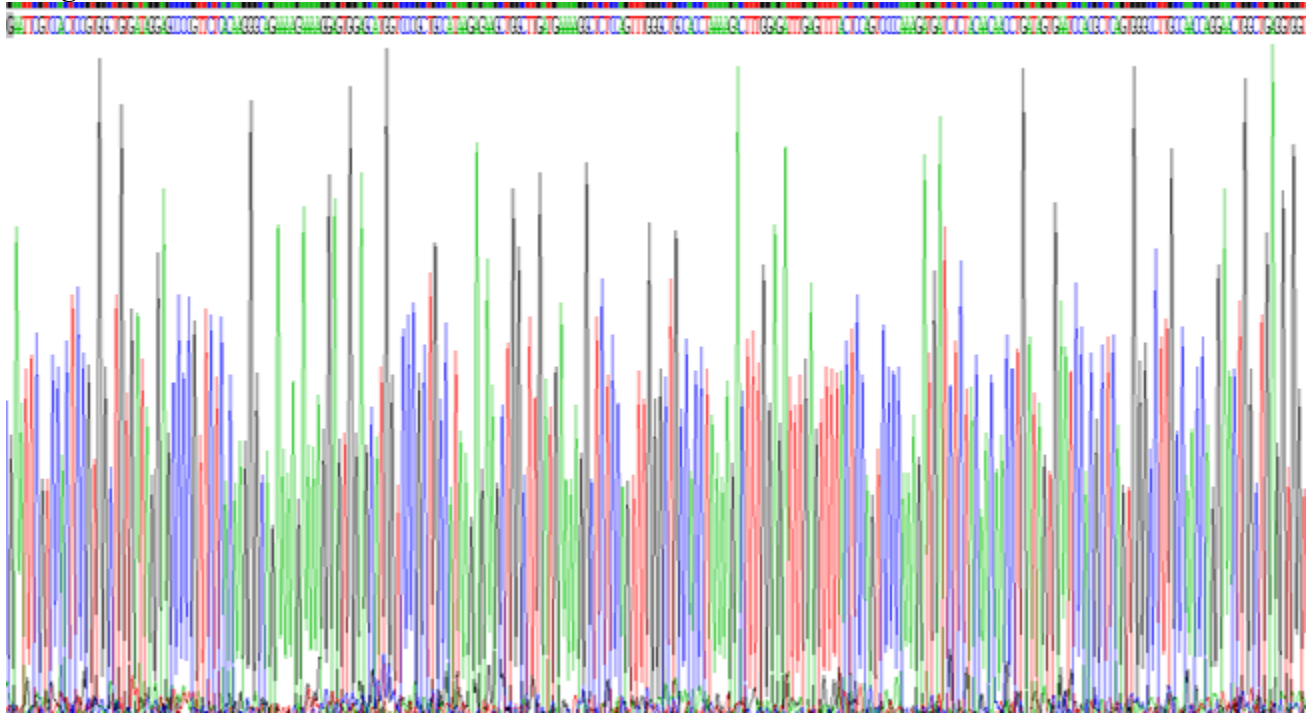


Figure.SDS-PAGE

## **[IMPORTANT NOTE]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.

