YBB120Ra01 50μg

Recombinant Arginase (ARG)

Organism Species: Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Met1~Lys323

Tags: N-terminal His-Tag

Tissue Specificity: Liver.

Subcellular Location: Cytoplasm.

Purity: >98%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 6.7

Predicted Molecular Mass: 36.5kDa

Accurate Molecular Mass: 36kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

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

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8oC for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: 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 37oC 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.

[SEQUENCE]

MSSKPKPIEI IGAPFSKGQP RGGVEKGPAA LRKAGLVEKL KETEYNVRDH
GDLAFVDVPN DSPFQIVKNP RSVGKANEQL AAVVAETQKN GTISVVLGGD
HSMAIGSISG HARVHPDLCV IWVDAHTDIN TPLTTSSGNL HGQPVAFLLK
ELKGKFPDVP GFSWVTPCIS AKDIVYIGLR DVDPGEHYII KTLGIKYFSM
TEVDKLGIGK VMEETFSYLL GRKKRPIHLS FDVDGLDPVF TPATGTPVVG
GLSYREGLYI TEEIYKTGLL SGLDIMEVNP TLGKTPEEVT RTVNTAVALT
LSCFGTKREG NHKPETDYLK PPK

[IDENTIFICATION]

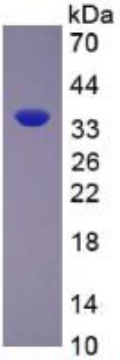

Figure 1. SDS-PAGE