

Arginase (ARG) Recombinant Protein | ARG recombinant protein

Recombinant Arginase (ARG)

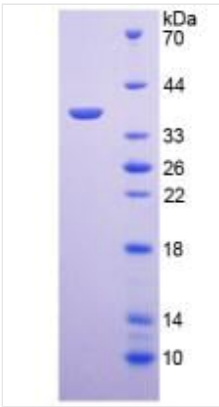
CATALOG # AAA134393	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Arginase (ARG); Recombinant Arginase (ARG); ARG recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	Thetargetp roteinisfu sedwithN-t erminalHis -Tag,itsse quenceisli stedbelow. MGHHHH HHSSEF-MS SKPKSLEIIG APFSKGQPRG GVEKGPAALR KAGLLEKLKE TEYDVRDHGD LAFVDVPNDS SFQIVKNPRS VGKANEELAG VVAEVQKNGR VSVVLGGDHS LAVGSISGHA RVHPDLCVIW VDAHTDINTP LTTSSGNLHG QPVSFLLKEL KGKFPDVPGF SWVTPCISAK DIVYIGLRDV DPGEHYIIKT LGIKYFSMTE VDKLGIGKVM EETFSYLLGR KKRPIHLSFD VDGLDPAFTP ATGTPVLGGL SYREGLYITE EIYKTGLLSG LDIMEVNPTL GKTAEEVKST VNTAVALTLA CFGTQREGNH KPGTDYLKPP K
Sequence Length	323
Applicable Applications for ARG recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Met1-Lys323 (Accession # Q61176) with N-terminal His-Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



MSSKPKSLEI IGAPFSKGQP RGGVEKGPAA LRKAGLLEKL KETEDVVRDH
GDIAFDVDPN DSSFQIVKNP RSVGKANEEL AGVVAEVQKN GRVSIVLGGD
HSLAVGSISG HARVHPDLCV IWVDAHTDIN TPLTTSSGNL HCQPVSFLLK
ELKGKFPDVP GFSWTPCIS AKDIVYIGLR DVPDGEHYII KTLGIKYFSM
TEVDKLGIGK VMEETFSYLL GRKKRPIHLS FDVDGLDPAF TPATGTPVLG
GLSYREGLYI TEEIYKTGLL SGLDIMEVNP TLGKTAEVVK STVNTAVALT
LACFGTQREG NHKPGTDYLK PPK

Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	7106255
NCBI GeneID	11846
NCBI Accession #	NP_031508.1
NCBI GenBank Nucleotide #	NM_007482.3
UniProt Accession #	Q61176; Q3TB74; Q3UEL0; Q4FK78; Q80VI4
Molecular Weight	36.3kDa
NCBI Official Full Name	arginase-1
NCBI Official Synonym Full Names	arginase, liver
NCBI Official Symbol	Arg1
NCBI Official Synonym Symbols	AI; PGIF; Arg-1; AI256583
NCBI Protein Information	arginase-1; arginase I; type I arginase; arginase 1, liver; liver-type arginase
UniProt Protein Name	Arginase-1
UniProt Gene Name	Arg1
UniProt Entry Name	ARGI1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.