

Arginase 2, Human Recombinant

CATALOG NO: P1308-10 10 µg
P1308-50 50 µg

ALTERNATE NAMES: Kidney arginase, Non-hepatic arginase

CONCENTRATION: 0.5 mg/ml (determined by Bradford assay)

SOURCE: *E.coli* (23-354aa)

PURITY: > 95% by SDS-PAGE

MOL. WEIGHT: This protein is fused with 6x His tag at N terminus and the protein has a calculated MW of 38.3 kDa (353aa)

FORM: Liquid

FORMULATION: In 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol

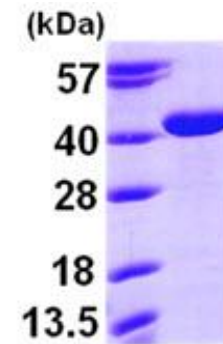
STORAGE CONDITIONS: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

SEQUENCE:

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MGSSHHHHHH SGLVPRGSH MVHSAVIGA PFSQGQKRKG
VEHGPAAIRE AGLMKRLSSL GCHLKDFGDL SFTVPKDDL
YNNLIVNPRS VGLANQELAE VVSRAVSDGY SCVTLGGDHS
LAIGTISGHA RHCPDLCVWV VDAHADINTP LTTSSGNLHG
QPVSFLLREL QDKVQLPGF SWIKPCISSA SIVYIGLRDV
DPPEHFILKN YDIQYFSMRD IDRLGIQKVM ERTFDLLIGK
RQRPIHLSFD IDAFDPTLAP ATFTPVVGGGL TYREGMYIAE
EIHNTGLLSA LDLVEVNPQL ATSEEEAKTT ANLAVDVIAS
SFGQTREGGH IVYDQLPTPS SPDESENQAR VRI
    
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DESCRIPTION: Arginase is a manganese-containing enzyme which catalyzes the hydrolysis of arginine to ornithine and urea. It is the final enzyme of the urea cycle. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic cross-reactivity and physiologic function. The type II isoform is located in the mitochondria and expressed in extra-hepatic tissues, especially kidney. It is thought to play a role in nitric oxide and polyamine metabolism.



15% SDS-PAGE (3µg)

Human recombinant Arginase 2

RELATED PRODUCT:

- Arginase I (ARG1) Inhibitor Screening Kit (Colorimetric) (Cat. No. K567)
- Arginase Activity Colorimetric Assay Kit (Cat. No. K755)
- ARG1, Human Recombinant (Cat. No. P1032)
- Anti-Arginase 1 Antibody (ARG1/1125) (Cat. No. A1430)
- Anti-Arginase-1 Antibody (IHC400) (Cat. No. A1490)
- Anti-ARG1 Antibody (Cat. No. A1080)

FOR RESEARCH USE ONLY! Not to be used on humans.