

Arginase Type II Recombinant Protein | ARG2 recombinant protein

Recombinant Human Arginase Type II

CATALOG # AAA38789	HOST Escherichia Coli
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PRODUCT SYNONYMS

Arginase Type II; Recombinant Human Arginase Type II; ARG2 Human; Arginase Type II Human Recombinant; Kidney Arginase; Non-Hepatic Arginase; EC 3.5.3.1; Arginase-2; Type II arginase; Kidney-type arginase; Arginase-2 mitochondrial; ARG2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Escherichia Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	0.5mg/ml solution containing 20mM Tris-HCl pH-8, & 10% glycerol
Sequence	MGSSHHH HHHSSGLVPR GSHMVH SVAVIGAPFS QGQKRKGVEH GPAAIREAGL MKRLSSLGCH LKDFGDLST PVPKDDLYNN LIVNPRSVGL ANQELAEVVS RAVSDGYSCV TLGGDHSLAI GTISGHARHC PDLGVVVVDA HADINTPLTT SGNLHGQPV SFLRELQDK VPQLPGFSWI KPCISSASIV YIGLRDVPDP EHFILKNYDI QYFSMRDIDR LGIQVMERT FDLIGKRQR PIHLSFDIDA FDPTLAPATF TPVVGGLTYR EGMYIAEEIH NTGLLSALDL VEVNPQLATS EEEAKTTANL AVDVIASSFG QTREGGHIVY DQLTPSSPD ESENQARVRI
Sequence Length	354
Physical Appearance	Sterile filtered colorless solution.
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for ARG2 recombinant protein	Description: ARG2 Recombinant E Coli produced in E Coli is a single, non-glycosylated polypeptide chain containing 353 amino acids (23-354 a.a.) and having a molecular mass of 38.3 kDa. The ARG2 is fused to a 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: ARG2 participates in the regulation of extra-urea cycle arginine metabolism and also in down-regulation of nitric oxide synthesis. Extrahepatic arginase functions to regulate L-arginine bioavailability to NO synthase. Since NO synthase is found in the penile corpus cavernosum smooth muscle, the clitoral corpus cavernosum and the vagina, ARG2 takes part in both male and female sexual arousal and therefore a potential target for the treatment of male and female sexual arousal disorders.
Product Categories/Family for ARG2 recombinant protein	Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502215
NCBI GeneID	384
NCBI Accession #	NP_001163.1

NCBI GenBank Nucleotide #	NM_001172.3
UniProt Accession #	P78540; Q6FHY8; B2R690
NCBI Official Full Name	arginase-2, mitochondrial
NCBI Official Synonym Full Names	arginase 2
NCBI Official Symbol	ARG2
NCBI Protein Information	arginase-2, mitochondrial; L-arginine amidinohydrolase; L-arginine ureahydrolase; arginase, type II; kidney arginase; kidney-type arginase; non-hepatic arginase; nonhepatic arginase; type II arginase
UniProt Protein Name	Arginase-2, mitochondrial
UniProt Gene Name	ARG2
UniProt Entry Name	ARGI2_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/arg2-recombinant-protein-escherichia-coli/38789>