

Product Name: Recombinant Human ARG2 (C-6His)
Catalog #: PEH0098

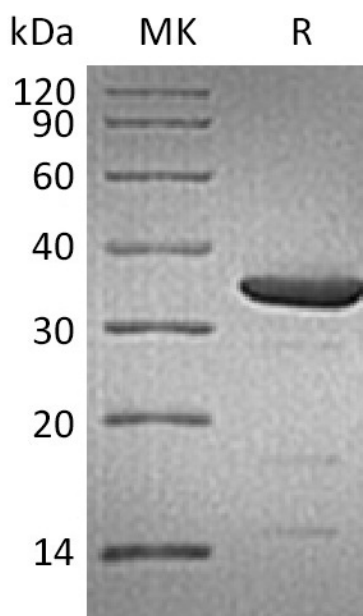


Summary

Name	Arginase-2/ARG2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Arginase-2, Mitochondrial is produced by our E.coli expression system and the target gene encoding His24-Gly330 is expressed with a 6His tag at the C-terminus.
Accession #	P78540
Host	E.coli
Species	Human
Predicted Molecular Mass	34.2 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 50mM HEPES, 150mM NaCl, pH 7.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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Alternative Names

Arginase-2, mitochondrial; Kidney-type arginase; Non-hepatic arginase; Type II arginase; ARG2

Background

Arginase-2 (ARG2) is a member of the arginase family. Arginase is a manganese-containing enzyme which catalyzes the hydrolysis of arginine to ornithine and urea. ARG2 is highly expressed in kidney and prostate, not founded in the liver, heart and pancreas. ARG2 has been implicated in the regulation of the arginine/ornithine concentrations in the cell. ARG2 may take part in the regulation of extra-urea cycle arginine metabolism and in down-regulation of nitric oxide synthesis. The extrahepatic arginase functions to regulate L-arginine bioavailability to NO synthase.

Note

For Research Use Only , Not for Diagnostic Use.