

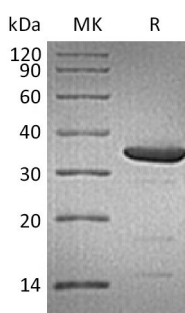
Product Name: Recombinant Human ARG2 (C-6His)
Catalog #: PEH0098



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



Background

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.

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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.