

Recombinant Human Arginase-2/ARG2 Protein (His Tag)



Catalog Number:PKSH032673

Note: Centrifuge before opening to ensure complete recovery of vial contents.

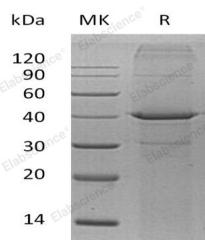
Description

Synonyms	Arginase-2;mitochondrial;Kidney-type arginase;Non-hepatic arginase;Type II arginase;ARG2
Species	Human
Expression Host	E.coli
Sequence	His24-Gly330
Accession	P78540
Calculated Molecular Weight	34.2 kDa
Observed molecular weight	33 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μ m filtered solution of 50mM HEPES, 150mM NaCl, pH 7.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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 found 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 synthase. The extrahepatic arginase functions to regulate L-arginine bioavailability to NO synthase.

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