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Product datasheet for TP721013XL

Arginase 1 (ARG1) (NM_000045) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human arginase, liver (ARG1)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-lys322
Tag:	C-His
Predicted MW:	35.8 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000036
Locus ID:	383
UniProt ID:	P05089
RefSeq Size:	1475
Cytogenetics:	6q23.2
RefSeq ORF:	966
Summary:	Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform encoded by this gene, is a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

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Protein Families: Druggable Genome

Protein Pathways: Arginine and proline metabolism, Metabolic pathways