

Product datasheet for **TP504674**

Arg1 (NM_007482) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse arginase, liver (Arg1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204674 protein sequence Red =Cloning site Green =Tags(s)
	<p>MSSKPKSLEIIGAPFSKGQPRGGVEKGPAAALRKAGLLEKLKETEYDVRDHGDLAFVDVDPNDSSSFQIVKNP RSVGKANEELAGVVAEVQKNGRVSVVLGGDHS LAVGSISGHARVHPDLCVIWVDAHTDINTPLTSSGNL HGQPVSFLLKELKGKFPDVPGFVSWTPCISAKDIVYIGLRDVPGEHYIIKTLGIKYFSMTEVDKLGIGK VMEETFSYLLGRKKRPIHLSFDVDGLDPAFTPATGTPVLGGLSYREGLYITEEYKTGLLSGLDIMEVNP TLGKTAEEVKSTVNTAVALTLACFGTQREGNHKPGTDYLKPPK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	34.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_031508
Locus ID:	11846
UniProt ID:	Q61176



[View online »](#)

RefSeq Size: 1489

Cytogenetics: 10 A4

RefSeq ORF: 972

Synonyms: AI; AI256583; Arg-1; PGIF

Summary: Key element of the urea cycle converting L-arginine to urea and L-ornithine, which is further metabolized into metabolites proline and polyamides that drive collagen synthesis and bioenergetic pathways critical for cell proliferation, respectively; the urea cycle takes place primarily in the liver and, to a lesser extent, in the kidneys.[UniProtKB/Swiss-Prot Function]