

Product datasheet for PH306756

ARG2 (NM_001172) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ARG2 MS Standard C13 and N15-labeled recombinant protein (NP_001163)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206756
Predicted MW:	38.6 kDa
Protein Sequence:	>RC206756 protein sequence Red=Cloning site Green=Tags(s)
	MSLRGSLRLLQTRVHSILKKS VHSVAVIGAPFSQGQKRKGV EHGPAAI REAGLMKRLSSLGCHLKDFGD LSFTPVPKDDL YNNLIVNPRSVGLANQELAEVVSRAVSDGYSCVTLGGDHSLAIGTISGHARHCPDLCVV WYDAHADINTPLTTSSGNLHGQPVSFLLRELQDKVPQLPGFSWIKPCISSASIVYIGLRDVPPEHFILK NYDIQYFSMRDIDRLGIQKVMERTFDLLIGKRQRPIHLSFDIDAFDPTLAPATGTPVVGGLTYREGMYIA EEIHNTGLLSALDLVEVNPQLATSEEEAKTTANLAVDVIASSFGQTREGGHIVYDQLPTPSSPDESENQA RVRI
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001163
RefSeq Size:	1981
RefSeq ORF:	1062
Locus ID:	384
UniProt ID:	P78540 , A0A024R6A0



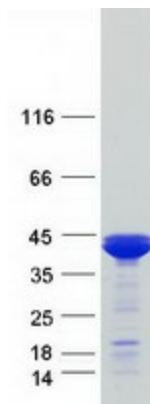
[View online »](#)

Cytogenetics: 14q24.1

Summary: Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exists (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type II isoform encoded by this gene, is located in the mitochondria and expressed in extra-hepatic tissues, especially kidney. The physiologic role of this isoform is poorly understood; it is thought to play a role in nitric oxide and polyamine metabolism. Transcript variants of the type II gene resulting from the use of alternative polyadenylation sites have been described. [provided by RefSeq, Jul 2008]

Protein Pathways: Arginine and proline metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified ARG2 protein (Cat# [TP306756]). The protein was produced from HEK293T cells transfected with ARG2 cDNA clone (Cat# [RC206756]) using MegaTran 2.0 (Cat# [TT210002]).