

Recombinant Mouse Arginase-2, mitochondrial(Arg2)

Catalog No: #AP70052

Package Size: #AP70052-1 20ug #AP70052-2 100ug #AP70052-3 1mg

Description

Product Name	Recombinant Mouse Arginase-2, mitochondrial(Arg2)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:23-354aaSequence Info:Full Length
Other Names	Kidney-type arginase;Non-hepatic arginaseType II arginase
Accession No.	O08691
Calculated MW	52.4 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	VHSAIVGAPFSRGQKKGVEYGPAAIREAGLLKRLSRLGCHLKDFGDLSTNPQDDPYNNLVVYPRSVGLA NQELAEVVSRAVSGGYSCVTMGGDHSLAIGTIIGHARHPDLCVIWVDAHADINTPLTTVSGNIHGQPLSFLIKE LQDKVPQLPGFSWIKPCLSPPNIVYIGLRDVEPPEHFILKNYDIQYFSMREIDRLGIQKVMEQTFDRLIGKRQRPI HLSFDIDAFDPKLAPATGTPVVGGLTYREGVYITEEIHNTGLLSALDLVEVNPPLATSEEEAKATARLAVDVIASS FGQTREGGHIVYDHLPTSPSPHESENEECVRI
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

May play a role in the regulation of extra-urea cycle arginine metabolism and also in down-regulation of nitric oxide synthesis.

References

Cloning and characterization of the mouse and rat type II arginase genes.Iyer R.K., Bando J.M., Jenkinson C.P., Vockley J.G., Kim P.S., Kern R.M., Cederbaum S.D., Grody W.W.Mol. Genet. Metab. 63:168-175(1998)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.