

Recombinant Mouse Serine--pyruvate aminotransferase, mitochondrial(Agxt)

Catalog No: #AP70020

Package Size: #AP70020-1 20ug #AP70020-2 100ug #AP70020-3 1mg

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Description

Product Name	Recombinant Mouse Serine--pyruvate aminotransferase, mitochondrial(Agxt)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:25-414aaSequence Info:Full Length
Other Names	Alanine--glyoxylate aminotransferase (EC:2.6.1.44) ;AGT
Accession No.	O35423
Calculated MW	59.3 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	SYQLLVPPPEALSKPLSVPTRLLLGPGPSNLAPRVLAAGSLRMIGHMQKEMLQIMEEIKQGIQYVFQTRNPLTL VVSGSGHCAMETALFNLLPEPGDSFLTGTNGIWGMRAAEIADRIGARVHQMIIKKGEGHYTLQEVEEGLAQHKP VLLFLVHGESSSTGVVQPLDGFGECHRYQCLLLVDSVASLGGVPIYMDQQGIDIMYSSSQVLNAPPGISLISF NDKAKYKVYSRKTKPVSFYTDITYLAKLWGCEGETRVIHHTTPVTSLYCLRESLALIAEQGLENCWRRHREATA HLHKHLQEMGLKFFVKDPEIRLPTITTVTPAGYNWRDIVSYVLDHFSIEISGGLGPTEERVLRIGLLGYNATTE NVDRVAEALREALQHCPKNKL
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

Dual metabolic roles of gluconeogenesis (in the mitochondria) and glyoxylate detoxification (in the peroxisomes).

References

SIRT5-mediated lysine desuccinylation impacts diverse metabolic pathways.Park J., Chen Y., Tishkoff D.X., Peng C., Tan M., Dai L., Xie Z., Zhang Y., Zwaans B.M., Skinner M.E., Lombard D.B., Zhao Y.Mol. Cell 50:919-930(2013)Research Topic:Others

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