

Recombinant Mus musculus Serine--pyruvate aminotransferase, mitochondrial

Catalog No: #AP72415

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Package Size: #AP72415-1 20ug #AP72415-2 100ug #AP72415-3 1mg

Description

Product Name	Recombinant Mus musculus Serine--pyruvate aminotransferase, mitochondrial
Brief Description	Recombinant Protein
Host Species	Yeast
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
Uniprot	O35423
GeneID	11611;
Calculated MW	45.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	SYQLLVPPPEALSKPLSVPTRLLLGPGPSNLAPRVLAAGSLRMIGHMQKEMLQIMEEIKQGIQYVFQTRNPLTL VVSGSGHCAMETALFNLLEPGDSFLTGTNGIWGMRAAEIADRIGARVHQMIIKPGEHYTLQEVEEGLAQHKP VLLFLVHGESSSTGVVQPLDGFELCHRYQCLLLVDSVASLGGVPIYMDQQGIDIMYSSSQKVLNAPPGISLISF NDKAKYKVYSRKTTPVSFYTDITYLAKLWGCEGETRVIHHTTPVTSYCLRESLALIAEQGLENCWRRHREATA HLHKHLQEMGLKFFVKDPEIRLPTITTVTPAGYNWRDIVSYVLDHFSIEISGGLGPTTEERVLRIQLLGYNATTE 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

Label-free quantitative proteomics of the lysine acetylome in mitochondria identifies substrates of SIRT3 in metabolic pathways.Rardin M.J., Newman J.C., Held J.M., Cusack M.P., Sorensen D.J., Li B., Schilling B., Mooney S.D., Kahn C.R., Verdin E., Gibson B.W.Proc. Natl. Acad. Sci. U.S.A. 110:6601-6606(2013)Research Topic:Others

Note: This product is for in vitro research use only