

Recombinant Mouse AGXT Protein (25-414 aa), His-SUMO-tagged

Cat. No. AGXT-314M **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Mouse AGXT Protein (25-414 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length of Mature Protein.

Species Mouse

Source E.coli

ProteinLength 25-414 aa

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

Form Tris-based buffer, 50% glycerol

Molecular Mass 59.3 kDa

AA Sequence

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SYQLLVPPPEALSKPLSVPTRLLLGPGPSNLAPRVLAAGSLRMIGHMQKEMLQIMEEI
KGGIQYVFQTRNPLTLVVS GSGHCAMETALFNLLEPGDSFLTGTNGIWGMRAAEIAD
RIGARVHQMIIKKPGEHYTLQEVEEGLAQHKPVLLFLVHGESSTGVVQPLDGFGLC
HRYQCLLLVDSVASLGGVPIYMDQQGIDIMYSSSQKVLNAPPGISLISFNDKAKYKVY
SRKTKPVSFYTDITYLAKLWGCEGETRVIHHTTPVTSLYCLRESLALIAEQGLENCWR
RHREATAHLHKHLQEMGLKFFVKDPEIRLPTITTVTPAGYNWRDIVSYVLDHFSIEIS
GGLGPTEERVLRIGLLGYNATTENVDRVAEALREALQHCPKNKL
    
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	Agxt alanine-glyoxylate aminotransferase [Mus musculus]
Official Symbol	AGXT
Synonyms	AGXT; AGT; SPT; Agt1; Agxt1;
Gene ID	11611
mRNA Refseq	NM_016702
Protein Refseq	NP_057911

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