

Recombinant Rat Agxt Protein, His-tagged

Cat. No. Agxt-505R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Agxt(Thr182~Gly371) fused with His tag at N-terminal was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Thr182~Gly371
Description	This gene encodes alanine-glyoxylate aminotransferase, which catalyzes the interconversion of L-alanine and glyoxylate to pyruvate and glycine. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. The longer transcript variant includes an upstream translation start codon and a downstream translation start codon. The upstream start codon initiates the translation of the mitochondrial enzyme precursor while the downstream start codon initiates the translation of the peroxisomal enzyme (see PMID:2332438).
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	25.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

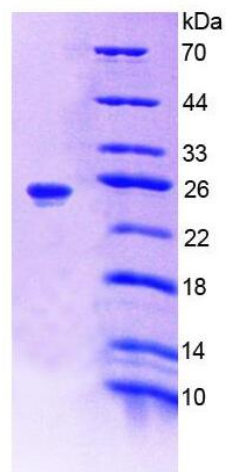
GENE INFORMATION

Gene Name	Agxt alanine-glyoxylate aminotransferase [Rattus norvegicus]
Official Symbol	Agxt
Synonyms	AGXT; alanine-glyoxylate aminotransferase; serine--pyruvate aminotransferase, mitochondrial; AGT; SPT; angiotensin receptor 2; Serine-pyruvate aminotransferase; alanine--glyoxylate aminotransferase; serine:pyruvate aminotransferase SPT; serine:pyruvate/alanine:glyoxylate aminotransferase; Spat;
Gene ID	24792
mRNA Refseq	NM_030656
Protein Refseq	NP_085914
UniProt ID	P09139

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15% SDS-PAGE

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