

## Product datasheet for **TP524698**

### Agxt2 (NM\_001031851) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse alanine-glyoxylate aminotransferase 2 (Agxt2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224698 representing NM_001031851 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSLAWRNLQKPFYLETSLRILQMRPSLSLGASRIAVPKLTLHTKHSMPPCDFSPEKYQSLAYSRVLAHKK  
QHLSVPDTAYFRKPLLLHQGHMEWLFDFSEGNRYLDFSGIVTVSVGHCHPKVSAVAKKQIDRLWHTSSVF  
FHSPMHEYAEKLSALLPEPLKVIFLVNSGSEANDLAMVMARAHSNHTDIISFRGAYHGCSPYTLGLTNVG  
IYKMEVPGGIGCQSTMCPDVFGRPWGGIHCRRSPVQTVRDCSCAPGPNQGGRRECHSNIKCCDLCMCVC  
FATDCCQAKERYIEQFKDTLNTSVATSIAGFFAEPIQGVNGVQYPKEFLKEAFALVRERGGVCIADDEVQ  
TGFGRLGSHFWGFQTHDVLDPDIVTMAKGIGNGFMAAVVTTPEIAKSLAKRLLHFSTFGGNPLACAIGSA  
VLEVIEEENLQRNSQEVGYMLLKFAKLRDEFDIVGDVGRGKGLMVGIEVMVQDKISRQPLPKTEVNQIHED  
CKDMGLLVGRGGNFSQTFRIVPPMCVTKMEVDFAYEVFRAALIQHMERRAK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	60.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001027021</a>



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Locus ID: 268782

UniProt ID: [H7BWY3](#)

RefSeq Size: 1825

Cytogenetics: 15 A1

RefSeq ORF: 1623

Synonyms: AI303810; AI663818

**Summary:** Can metabolize asymmetric dimethylarginine (ADMA) via transamination to alpha-keto-delta-(NN-dimethylguanidino) valeric acid (DMGV). ADMA is a potent inhibitor of nitric-oxide (NO) synthase, and this activity provides mechanism through which the kidney regulates blood pressure.[UniProtKB/Swiss-Prot Function]