

## Product datasheet for TP507535

### Yars2 (NM\_198246) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse tyrosyl-tRNA synthetase 2 (mitochondrial) (Yars2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207535 representing NM_198246 Red=Cloning site Green=Tags(s)

MAAPMLRRLCRVPQSLVWLRGSRVAVRPGARGMLVAPRARGLFKEFFPESGKTELPELFDRRRRAGSSPQT  
VYCGFDPTGDSLHVGHLLTLLGLFHFQRAGHNVIALVGGSTALLGDPSGRTKGREALSAECVRANAHALR  
RGLAALANHARLFADGRPWGSFTVLDNAAWFQEQHLVDLATVGGHFRMGTLTLLSRLSVQSRKLSPEGMS  
LAEFFYQVLQAYDFYFLFQHYGCRVQLGGSDQLGNIMSGYEFIHKLTGEDVFGITVPLITSTTGAKLGKS  
AGNAVWLNREKTS PFELYQFFVRQQDDSVRYLKLFTFLPLPEIDHIMQLHVKEPEKRVAQKRLAAEVTK  
LVHGQEGLDIAKRCTQALYHSSIEALEVMSDQELKELFKEASFSELVDPGTVIDTCRKANAIPDGPRG  
YRMITEGGVSINHRQVTNPESVLVIGQHILKNGLSLLKIGKRNFYIWKWLQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	52.6 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_937889</a>
Locus ID:	70120



[View online »](#)

UniProt ID: [Q8BYL4](#), [Q8BJJ2](#)

RefSeq Size: 1587

Cytogenetics: 16 A2

RefSeq ORF: 1416

Synonyms: 2210023C10Rik; tyrRS

Summary: Catalyzes the attachment of tyrosine to tRNA(Tyr) in a two-step reaction: tyrosine is first activated by ATP to form Tyr-AMP and then transferred to the acceptor end of tRNA(Tyr).  
[UniProtKB/Swiss-Prot Function]