

Product datasheet for **TP510862**

Cars (NM_013742) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cysteinyl-tRNA synthetase (Cars), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210862 representing NM_013742 Red =Cloning site Green =Tags(s)

MAGSSAEQAADYRSILSISDEAARVQALDQHLSTRSYIQGYLSQADVDVFRQLSAPPADSRLFHVARWF
RHIEALLGGPQGRDEPCRLQASKGRRVQPQWSPAGTEPCRLRLYNLNRKDVFIQDGGKVTWYCCGP
TVYDASHMGHARSYISFDILRRVLRDYFYQYDFYCMNITDIDDKIIRRARQNYLFEQYREQPPATQLLK
DVRDAMKPFVSVKLSETTDPDKRQMLERIQNSVKLATEPLEQAVRSSLGEEVDKQVQLLEEAKDLLSDW
LDSTGGSEVTDNSIFSKLPKFWEEEFHKDMEALNVLPPDVLTRVSEYVPEIVNFVQKIVDNGYGYASNGS
VYFDTAKFAASEKHSYGKLVPEAVGDQKALQEGEDLSISADRLSEKRPNDFFALWKASKPGEPSWPCPW
GKGRPGWHIECSAMAGTLLGASMDIHGGGDFLRFPHHDNELAQSEAYFENDCWVRYFLHTGHLLTIAGCKM
SKSLKNFITIKDALKKHSARQLRLAFLMHSWKDITLDYSSNTMESALQYEFMNEFFLNVDILRAPVDIT
GQFEKWEAEVELNKNFYGKKTAVHEALCDNIDTRTVMEEMRALVSQCENLYMAARKAERRRPNRALLENI
AMYLTHMLKIFGAIEEESPLGFPVGGPGTNNLESTVMPYLQVLSEFREGVRKIAREKKVLEVLQLSDAL
RDDILPELVGRFEDHEGLPTVVKLVDRDITLLKEKEGKKRAEEKRRKKEEAARKKQEQAAKLAKMKIPP
SEMFLSEVNKYSKFDENGLPTHDTGKELSKGQAKKLLKLFQAQEKLYKEYLQMLQNGSLQ

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	94.9 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.



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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:	NP_038770
Locus ID:	27267
UniProt ID:	Q9ER72 , Q3UXN3
RefSeq Size:	3236
Cytogenetics:	7 88.25 cM
RefSeq ORF:	2493
Synonyms:	CA3
Summary:	Catalyzes the ATP-dependent ligation of cysteine to tRNA(Cys).[UniProtKB/Swiss-Prot Function]