

Product datasheet for TP508134

Hars2 (NM_080636) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse histidyl-tRNA synthetase 2 (Hars2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208134 protein sequence Red=Cloning site Green=Tags(s)

MPHLGPLRRRAWAALLGQLLRPPSTVCTRGCHSQVAKAVLTSEQLKSHQEKPNFVIKVPKGTRDLSPPQM
VVREKILDKIISCFKRHGAKGLDTPAFELKEMLTEKYEDNFGMLMYDLKDQGGELLSLRYDLTPFARYLA
MNKLLKMKRYQVGKVVWRRESPIAQGRYREFCQCDFDIAGEFDPMPDACLIRIMCEILSGLQLGDFLIK
VNDRRVVDGIFAVCGVPESKLRTICSSMDKLDKMSWEGVRHEMVAKKGLAPEVADRIGDFVQYHGGISLV
EDLFDKPRLSQSQLALQGLGDLKLLFEYLRLEFGIADKISLDLSLARGLDYYTGVIYEAVLLESPAQAGKE
TLSVGSAAGGRYDNLVAQFDPKGGHHVPCVGLSIGVERIFYLVEQKMKMSGEKVRTTETQVFVATPQKNF
LQERLKI AELWDAGIKAEMLYKNNPKLLTQLHYCEKADIPLMVIIGEQRNEGVIKLRVASREEVTIN
RESLVAEIQRKLSSES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	57 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:	NP_542367



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Locus ID: 70791

UniProt ID: [Q99KK9](#)

RefSeq Size: 3075

Cytogenetics: 18 B2

RefSeq ORF: 1518

Synonyms: 4631412B19Rik; H; Harsl; HARSR; HO; HO3

Summary: This gene encodes a putative member of the class II family of aminoacyl-tRNA synthetases. These enzymes play a critical role in protein biosynthesis by charging tRNAs with their cognate amino acids. This protein is encoded by the nuclear genome but is likely to be imported to the mitochondrion where it is thought to catalyze the ligation of histidine to tRNA molecules. Mutations in a similar gene in human have been associated with Perrault syndrome 2 (PRLTS2). [provided by RefSeq, Mar 2015]