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Product datasheet for TP519930

Aars2 (NM_198608) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse alanyl-tRNA synthetase 2, mitochondrial (Aars2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR219930 representing NM_198608 Red=Cloning site Green=Tags(s) MAVALAAAAGKLRRAIGRSCPWQPFSTEPGPPHGAAVRDAFLSFFRDRHGHRLVPSATVRPRGDPSLLFV NAGMNQFKPIFLGTVDPRSEMAGFRRVVNSQKCVRAGGRHNDLEDVGRDLSHHTFFEMLGNWAFGGEYFK EEACSMAWELLTQVYGIPEDRLWVSYFSGDSQTGLDPDLETRDIWLSLGVPASRVLSFGPQENFWEMGDT GPCGPCTEIHYDLAGGVGSPQLVELWNLVFMQHYREADGSLQLLPQRHVDTGMGLERLVAVLQGKRSTYD TDLFSPLLDAIHQSCGAPPYSGRVGAADEGRIDTAYRVVADHIRTLSVCIADGVSPGMSGAPLVLRRILR RAVRYSTEVLQAPPGFLGSLVPVVVETLGSAYPELEKNSVKIASLVSEDEAAFLASLQRGRRIIDRTVKR LGPSDLFPAEVAWSLSLSGNLGIPLDLVELMLEEKGVKLDTAGLEQLAQKEAQHRAQQAEADQEDRLCLD VHALEELHRQGIPTTDDSPKYNYTLHPNGDYEFGLCEARVLQLYSETGTAVASVGAGQRCGLLLDRTNFY AEQGGQASDRGYLVRTGQQDMLFPVAGAQLCGGFILHEAMAPERLQVGDQVQLYVDKAWRMGCMVKHTAT HLLSWALRQTLGPTTEQRGSHLNPERLRFDVATQTLLTTEQLRTVESYVQEVVGQDKPVFMEEVPLAHTA RIPGLRSLDEVYPDPVRVVSVGVPVAHALGPASQAAMHTSVELCCGTHLLSTGAVGDLVIIGERQLVKGI TRLLAITGEQAQQAREVGQSLSQEVEAASERLSQGSRDLPEAHRLSKDIGRLTEVAESAVIPQWQRQELQ TTLKMLQRRANTAIRKLEKGQATEKSQELLKRHSEGPLIVDTVSAESLSVLVKVVRQLCKQAPSISVLLL SPQPTGSVLCACQVAQDATPTFTAEAWALAVCSHMGGKAWGSRVVAQGTGHTADLEAALGTARAYALSQL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	106.8 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

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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_941010
Locus ID:	224805
UniProt ID:	Q14CH7
RefSeq Size:	3368
Cytogenetics:	17 B3
RefSeq ORF:	2940
Synonyms:	Aarsl; AlaRS; Gm89
Summary:	Catalyzes the attachment of alanine to tRNA(Ala) in a two-step reaction: alanine is first activated by ATP to form Ala-AMP and then transferred to the acceptor end of tRNA(Ala). Also edits incorrectly charged tRNA(Ala) via its editing domain.[UniProtKB/Swiss-Prot Function]