Recombinant Mouse Aars protein(Met1-Asn968), His-tagged

Cat. No. Aars-2487M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse AARS (Q8BGQ7) (Met 1-Asn 968) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	Insect Cells
ProteinLength	Met1-Asn968
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% glycerol Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The secreted recombinant mouse AARS consists of 978 amino acids and has a calculated molecular mass of 108.3 kDa. The recombinant protein migrates as an approximately 105 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 88 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Aars alanyl-tRNA synthetase [Mus musculus]
Official Symbol	Aars
Synonyms	AARS; alanyl-tRNA synthetase; alanine--tRNA ligase, cytoplasmic; alaRS; alanyl-tRNA synthetase, cytoplasmic; sti; C76919; AI316495;
Gene ID	234734
mRNA Refseq	NM_146217
Protein Refseq	NP_666329

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