

Recombinant Rat Ass1, His-tagged

Cat. No. Ass1-3630R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Argininosuccinate synthase (Ass1)
Species	Rat
Source	E.Coli/Yeast
ProteinLength	412
Description	catalyzes the conversion of ATP, L-citrulline, and L-aspartate to AMP, diphosphate, and L-argininosuccinate in arginine biosynthesis; may regulate nitric oxide production .
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of Ass1 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol

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Warning

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	Ass1 argininosuccinate synthase 1 [Rattus norvegicus]
Official Symbol	Ass1
Synonyms	ASS1; argininosuccinate synthase 1; argininosuccinate synthase; argininosuccinate synthetase 1; citrulline--aspartate ligase; argininosuccinate synthetase 1; Ass; ASSA;
Gene ID	25698
mRNA Refseq	NM_013157
Protein Refseq	NP_037289
Pathway	Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved biosystem; Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem;
Function	ATP binding; argininosuccinate synthase activity; argininosuccinate synthase activity; ligase activity; nucleotide binding; toxin binding;

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