

Recombinant Human ASS1 Protein, Myc/DDK-tagged

Cat. No. ASS1-646H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human argininosuccinate synthetase 1 (ASS1), transcript variant 1 with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	The protein encoded by this gene catalyzes the penultimate step of the arginine biosynthetic pathway. There are approximately 10 to 14 copies of this gene including the pseudogenes scattered across the human genome, among which the one located on chromosome 9 appears to be the only functional gene for argininosuccinate synthetase. Mutations in the chromosome 9 copy of this gene cause citrullinemia. Two transcript variants encoding the same protein have been found for this gene.
Molecular Mass	46.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

Gene Name [ASS1 argininosuccinate synthase 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [ASS1](#)

Synonyms ASS1; argininosuccinate synthase 1; ASS; CTLN1; argininosuccinate synthase; argininosuccinate synthetase 1; citrulline-aspartate ligase; epididymis secretory sperm binding protein; EC 6.3.4.5

Gene ID [445](#)

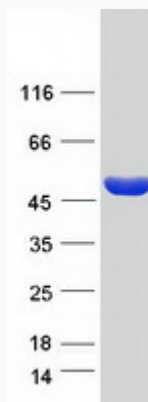
mRNA Refseq [NM_000050](#)

Protein Refseq [NP_000041](#)

MIM [603470](#)

UniProt ID [P00966](#)

SDS-Page



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