

Recombinant Human ASS protein, GST-tagged

Cat. No. ASS-922H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ASS full-length ORF (AAH09243, 1 a.a. - 412 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Aug 2012]
Molecular Mass	71.06 kDa
AA Sequence	MSSKGSVVLAYSGGLDTSCIFVWLKEQGYDVIAYLANIGQKEDFEEARKKALKLGAK KVFIEDVSREFVEEFIWPAIQSSALYEDRYLLGTSLARPCIARKQVEIAQREGAKYVS HGATGKGNDQVRFELSCYSLAPQIKVIAPWRMPEFYNRFKGRNDLMEYAKQHGIPI PVTPKNPWSMDENLMHISYEAGILENPKNQAPPGLYTKTQDPAKAPNTPDILEIEFKK GVPVKVTNVKDGTTHTQTSLELFMYLNEVAGKHGVGRIDIVENRFIGMKSRGIYETPA GTILYHAHLIDIEAFTMDREVRKIKQGLGLKFAELVYTGFWHSPECEFVRHCIAKSQER VEGKVQVSVLKGQVYILGRESPLSLYNEELVSMNVQGDYEPTDATGFININSLRLKE

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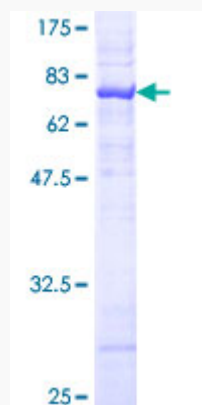
 45-1 Ramsey Road, Shirley, NY 11967, USA

	YHRLQSKVTAK
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ASS1 argininosuccinate synthase 1 [Homo sapiens (human)]
Official Symbol	ASS
Synonyms	ASS1; ASS; CTLN1; argininosuccinate synthase 1; argininosuccinate synthase; argininosuccinate synthetase 1; citrulline-aspartate ligase; EC 6.3.4.5
Gene ID	445
mRNA Refseq	NM_000050
Protein Refseq	NP_000041
MIM	603470
UniProt ID	P00966

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12.5% SDS-PAGE Stained with Coomassie Blue.

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