

ASS1 recombinant protein

ASS1, 1-412aa, Human, His tag, E Coli

CATALOG # AAA48608	HOST E Coli	APPLICATIONS SDS-Page
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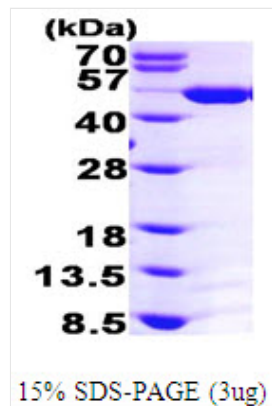
PRODUCT SYNONYMS

ASS1; 1-412aa; Human; His tag; E Coli; Argininosuccinate synthase; ASS; CTLN1; ASS1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MSSKGSVLA YSGGLDTSCI LVWLKEQGYD VIAYLANIGQ KEDFEEARKK ALKLGAKKVF IEDVSREFVE EFIWPAIQSS ALYEDRYLLG TSLARPCAR KQVEIAQREG AKYVSHGATG KGNDQVRFEL SCYSLAPQIK VIAPWRMPEF YNRFKGRNDL MEYAKQHGI IPVTPKNPWS MDENLMHISY EAGILENPKN QAPPGLYTKT QDPAKAPNTP DILEIEFKKG VPVKVTNVKD GTTHQTSLEL FMYLNEVAGK HGVGRIDIVE NRFIGMKSRG IYETPAGTIL YHAHLDIEAF TMDREVRKIK QGLGLKFAEL VYTGFWHSPE CEFVRHCAK SQERVEGKVQ VSVLKGQVYI LGRESPLSY NEELVSMNVQ GDYEPTDATG FININSLRLK EYHRLQSKVT AK
Sequence Length	1-412
Applicable Applications for ASS1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ASS1 recombinant protein	The ASS1 is an enzyme called argininosuccinate synthase 1. This enzyme participates in the urea cycle, which is a sequence of chemical reactions that takes place in liver cells. The urea cycle processes excess nitrogen that is generated as the body uses proteins. The excess nitrogen is used to make a compound called urea, which is excreted from the body in urine. Recombinant human ASS1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for ASS1 recombinant protein	Enzymes & Proteases
References	Kobayashi K,. et al. (1990) J Biol Chem. 265 (19):11361-7

NCBI AND UNIPROT INFORMATION

NCBI GI #	53759107
NCBI GeneID	445
NCBI Accession #	NP_000041
NCBI GenBank Nucleotide #	NM_000050.4
UniProt Accession #	P00966; Q6LDL2; Q86UZ0; Q96GT4
Molecular Weight	48.6 kDa (432aa) confirmed by MALDI-TOF
NCBI Official Full Name	argininosuccinate synthase
NCBI Official Synonym Full Names	argininosuccinate synthase 1
NCBI Official Symbol	ASS1
NCBI Official Synonym Symbols	ASS; CTLN1
NCBI Protein Information	argininosuccinate synthase
UniProt Protein Name	Argininosuccinate synthase
UniProt Gene Name	ASS1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ass1-recombinant-protein-e-coli-sds-page/48608>