

Argininosuccinate Synthase 1 Recombinant Protein | ASS1 recombinant protein

Recombinant Human Argininosuccinate Synthase 1

CATALOG #
AAA38790

HOST
E Coli

PRODUCT SYNONYMS

Argininosuccinate Synthase 1; Recombinant Human Argininosuccinate Synthase 1; ASS; CTLN1; EC 6.3.4.5; ASS1; Argininosuccinate Synthase 1.; ASS1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	ASS1 Human 0.5mg/ml solution containing 20mM Tris-HCl pH-8, 0.1M NaCl, 1mM DTT & 20% glycerol. Sterile filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMSS KGSVVLAYSG GLDTSCLVW LKEQGYDVIA YLANIGQKED FEEARKKALK LGAKKVFIED VSREFVEEFI WPAIQSSALY EDRYLLGTSL ARPCIARKQV EIAQREGAKY VSHGATGKGN DQVRFELSCY SLAPQIKVIA PWRMPEFYNR FKGRNDLMEY AKQHGIPIPV TPKNPWSMDE NLMHISYEAG ILENPKNQAP PGLYTKTQDP AKAPNTPDIL EIEFKKGVVP KVTNVKDGTTH QTSLELFMY LNEVAGKHGV GRIDIVENRF IGMKSRGIYE TPAGTILYHA HLDIEAFTMD REVRKIKQGL GLKFAELVYT GFWHSPECEF VRHCAKSQE RVEGKVQVSV LKGQVYILGR ESPLSLYNEE LVSMNVQGDY EPTDATGFIN INSLRLKEYH RLQSKVTAK
Sequence Length	412
Preparation and Storage	Store at 4°C if entire vial will be used. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for ASS1 recombinant protein	Description: ASS1 Recombinant Human produced in E Coli is a single, non-glycosylated polypeptide chain containing 432 amino acids (1-412 a.a.) and having a molecular mass of 48.6 kDa. The ASS1 is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: ASS1 is involved in the urea cycle, which is a sequence of chemical reactions that is localized in liver cells. The urea cycle processes excess nitrogen that is generated as the body uses proteins. The surplus nitrogen is used to create a molecule called urea, which is excreted from the body in urine.
Product Categories/Family for ASS1 recombinant protein	Enzymes; Synthase

NCBI AND UNIPROT INFORMATION

NCBI GI #	53759107
NCBI GeneID	445
NCBI Accession #	NP_000041.2
NCBI GenBank Nucleotide #	NM_000050.4
UniProt Accession #	P00966; Q6LDL2; Q86UZ0; Q96GT4

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; argininosuccinate synthetase 1; citrulline--aspartate ligase; citrulline-aspartate ligase
UniProt Protein Name	Argininosuccinate synthase
UniProt Gene Name	ASS1
UniProt Synonym Gene Names	ASS
UniProt Entry Name	ASSY_HUMAN

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/38790>