

Product information



ASS1, 1-412 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0636

Full name: Argininosuccinate synthase

NCBI Accession No.: NP_000041

Synonyms: ASS, CTLN1

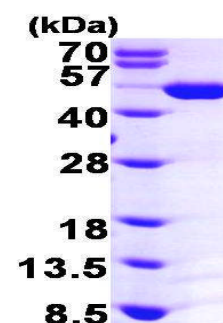
Description: The ASS1 is an enzyme called argininosuccinate synthase 1. This enzyme participates in the urea cycle, which is a sequence of chemical reactions that takes place in liver cells. The urea cycle processes excess nitrogen that is generated as the body uses proteins. The excess nitrogen is used 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.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol
0.1M NaCl, 1mM DTT

Molecular Weight: 48.6 kDa (432aa) confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MSSKGSVFLA YSGGLDTSCI LVWLKEGGYD VIAYLANIGQ KEDFEEARKK ALKLGAKKVF IEDVSREFVE
EFIWPAIQSS ALYEDRYLLG TSLARPC IAR KQVEIAQREG AKYVSHGATG KGNDQVRFEL SCYSLAPQIK VIAPWRMPEF YNRFKGRNDL
MEYAKQHGI PVPVTPKNPWS MDENLMHISY EAGILENPKN QAPPGLYTKT QDPAKAPNTP DILEIEFKKG VPVKVTNVKD GTTHQTSLEL
FMYLNEVAGK HGVGRIDIVE NRFIGMKSRG IYETPAGTIL YHAHLDEAF TMDREVRKIK QGLGLKFAEL VYTGFWHSPE CEFVRHCIAK
SQERVEGKVQ VSVLKGQVYI LGRESPLSLY NEELVSMNVQ GDYEPTDATG FININSLRLK EYHRLQSKVT AK

General references:

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



Kobayashi K., *et al.* (1990) *J Biol Chem.* 265(19):11361-7

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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