

Argininosuccinate Synthetase 1 Recombinant Protein | ASS1 recombinant protein

Recombinant Argininosuccinate Synthetase 1 (ASS1)

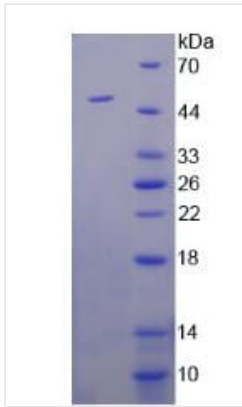
CATALOG # AAA143974	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

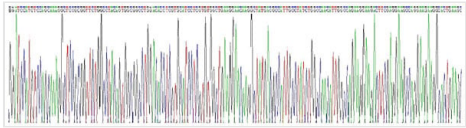
Argininosuccinate Synthetase 1; Recombinant Argininosuccinate Synthetase 1 (ASS1); ASS1 recombinant protein

PRODUCT SPECIFICATIONS

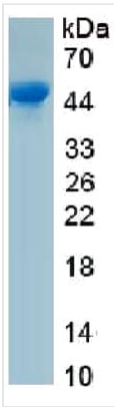
Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.
Concentration	Original Concentration: 350ug/mL (varies by lot)
Applicable Applications for ASS1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Met1~Lys412
Tags	N-terminal His Tag
Subcellular Location	Cytoplasm
Traits	Freeze-dried powder
Predicted isoelectric point	8.1
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



SDS_PAGE



Gene Sequence
Gene Sequencing (extract)



SDS-PAGE

MSSKGSVLA YSGGLDTSCI LVWLKEQGYD VIAYLANIQ KEDFEARKK
ALKLGAKKVF IEDVSREFVE EFIWPAIQSS ALYEDRYLLG TSLARPCAR
KQVEIAQREG AKYVSHGATG KGNDQVR FEL SCYSLAPQIK VIAPWRMPEF
YNRFKGRNDL MEYAKQHGIP IPVTPKNPWS MDENLMHISY EAGILENPKN
QAPPGLYTKT QDPAKAPNTP DILEIEFKKG VPVKVTNVKD GTTHQTSLEL
FMYLNEVAGK HGVGRIDIVE NRFIGMKSRG IYETPAGTIL YHAHLDIEAF
TMDREVRKIK QGLGLKFAEL VYTGFWHSPE CEFVRHCIAK SQERVEGKVQ
VSVLKGQVYI LGRESPLSLY NEELVSMNVQ GDYEPTDATG FININSLRLK
EYHRLQSKVT AK

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	53759107
NCBI GeneID	445
NCBI Accession #	NP_000041.2
NCBI GenBank Nucleotide #	NM_000050.4
Molecular Weight	Predicted Molecular Mass: 50.2kDa Accurate Molecular Mass: 47kDa as determined by SDS-PAGE reducing conditions.
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
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.