

Argininosuccinate Synthase 1 Human Recombinant

Item Number	rAP-1845
Synonyms	ASS, CTLN1, EC 6.3.4.5, ASS1, Argininosuccinate Synthase 1.
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 a 20 amino acids His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P00966
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MSSKGSVFLA YSGGLDTSCI LVWLKEQGYD VIAYLANIGQ KED-FEEARKK ALKLGAKKVF IEDVSREFVE EFIWP AIQSS ALYEDRYLLG TSLARPC IAR KQVEIAQREG AKYVSHGATG KGNDQVRFEL SCYSLAPQIK VIAPWRMPEF YNRFKGRNDL MEYAKQHGP IPVTP-KNPWS MDENLMHISY EAGILENPKN QAPPLYTKT QDPAKAPNTP DILEIEFKKG VPVKVTNVKD GTTHQTSLEL FMYLNEVAGK HGVGRIDIVE NRFIGMKS RG IYETPAGTIL YHAHL D I EAF TMDREVRKIK QGLGLKFAEL VYTGFWHSPE CEFVRH CIAK SQERVEGKVQ VSVLKGQVYI LGRESPLSLY NEELVSMNVQ GDYEPTDATG FININSLRLK EYHRLQSKVT AK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. 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.
Formulation and Purity	ASS1 Human 0.5mg/ml solution containing 20mM Tris-HCl pH-8, 0.1M NaCl, 1mM DTT & 20% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**