

## 32-2169: ASS1 Recombinant Protein

**Alternative Name :** ASS,CTLN1,EC 6.3.4.5,ASS1,Argininosuccinate Synthase 1.

### Description

Source : Escherichia Coli. 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. 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 Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 90.0% as determined by SDS-PAGE.
<b>Content :</b>	ASS1 Human 0.5mg/ml solution containing 20mM Tris-HCl pH-8, 0.1M NaCl, 1mM DTT & 20% glycerol.
<b>Storage condition :</b>	ASS1 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MSSKGSVFLA YSGGLDTSCI LVWLKEQGYD VIAYLANIGQ KEDFEEARKK ALKLGAKKVF IEDVSREFVE EFIWP AIQSS ALYEDRYLLG TSLARPC IAR KQVEIAQREG AKYVSHGATG KGNDQVRFEL SCYSLAPQIK VIAPWRMPEF YNRFKGRNDL MEYAKQH GIP IPVTPKNPWS MDENLMHISY EAGILENPKN QAPPGLYTKT QDPAKAPNTP DILEIEFKKG VPVKVTNVKD GTTHQTSLEL FMYLNEVAGK HGVGRIDIVE NRFIGMKSRG IYETPAGTIL YHAHLDIEAF TMDREVRKIK QGLGLKFAEL VYTGFWHSPE CEFVRH CIAK SQERVEGKVQ VSVLKGQVYI LGRESPLSLY NEELVSMNVQ GDYEPTDATG FININSLRLK EYHRLQSKVT AK.

