



Recombinant *Saccharomyces cerevisiae* Adenylosuccinate synthetase (ADE12)

Product Code	CSB-EP302940SVG
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P80210
Product Type	Recombinant Protein
Immunogen Species	<i>Saccharomyces cerevisiae</i> (strain ATCC 204508 / S288c) (Baker's yeast)
Purity	>85% (SDS-PAGE)
Sequence	VNVVLGSQW GDEGKGLVD LLVGKYDIVA RCAGGNNAGH TIVVDGVKYD FHMLPSGLVN PNCQNLLGNG VVIHVPSFFK ELETLEAKGL KNARSRLFVS SRAHLVDFDH QVTDKLELE LSGRSKDGKN IGTTGKGIGP TYSTKASRSG LRVHHLVNDQ PGAWEEFVAR YKRLLERTRQ RYGDFFEYDFE AKLAEYKCLR EQLKPFVVDV VVFMHNAIEA KKKILVEGAN ALMLDIDFGT YPYVTSSNTG IGGVLTLGLI PPRITIDEIYG VVKAYTTRVG EGPFPTQLN ENGEKLQTI AEFGVTTGRK RRCGWLDLVV LKYSTLINGY TSLNITKLDV LDTFKEIPVG ISYSIQGKKL DLPEDLNIL GKVEVEYKVL PGWDQDITKI TKYEDLPENA KKYLKYIEDF VGVPVEWVGT GPARESMLHK EIK
Source	<i>E. coli</i>
Target Names	ADE12
Protein Names	Recommended name: Adenylosuccinate synthetase Short name= AMPSase Short name= AS-synthetase Short name= AdSS EC= 6.3.4.4 Alternative name(s): IMP--aspartate ligase
Expression Region	2-433
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.