



Recombinant Escherichia coli 1-deoxy-D-xylulose-5-phosphate synthase (dxs)

Product Code	CSB-EP302055ENV-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P77488
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	>85% (SDS-PAGE)
Sequence	SFDIAKYPT LALVDSTQEL RLLPKESLPK LCDELRRYLL DSVSRSSGHF ASGLGTVELT VALHYVYNTF FDQLIWDVGH QAYPHKILTG RRDKIGTIRQ KGGLHPFPWR GESEYDVLSV GHSSTSISAG IGIAVAAEKE GKNRRTVCVI GDGAITAGMA FEAMNHAGDI RPDMLVILND NEMSISENVG ALNNHLAQLL SGKLYSSLRE GGKVFSGVP PIKELLK RTE EHIKGMVVP G TLFEELGFNY IGPVDGHDVL GLITTLKNMR DLKGPQFLHI MTKKGRGYEP AEKDPITFHA VPKFDPSSGC LPKSSGGLPS YSKIFGDWLC ETAAKDNKLM AITPAMREGS GMVEFSRKFP DRYFDVAIAE QHAVTFAAGL AIGGYKPIVA IYSTFLQRAY DQVLHDVAIQ KLPVLF AIDR AGIVGADGQT HQGAFDLSYL RCIPEMVIMT PSDENECRQM LYTG YHYNDG PSAVRYPRGN AVGVELTPLE KLPIGKGIVK RRGEKLAILN FGTLMP EAAK VAESLNATLV DMR FVKPLDE ALILEMAASH EALVTVEENA IMGGAGSGVN EVLMAHRKPV PVLNIGLPDF FIPQGTQEEM RAELGLDAAG MEAKIKAWLA
Source	E.coli
Target Names	dxs
Protein Names	Recommended name: 1-deoxy-D-xylulose-5-phosphate synthase EC= 2.2.1.7 Alternative name(s): 1-deoxyxylulose-5-phosphate synthase Short name= DXP synthase Short name= DXPS
Expression Region	2-620
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.