



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

<b>Product Code</b>	CSB-MP302055ENV
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P77488
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SFDIAKYPT LALVDSTQEL RLLPKESLPK LCDELRRYLL DSVSRSSGHF ASGLGTVELT VALHYVYNTF FDQLIWDVGH QAYPHKILTG RRDKIGTIRQ KGGLHPFPWR GESEYDVLSV GHSSTSISAG IGIAVAAEKE GKNRRTVCVI GDGAITAGMA FEAMNHAGDI RPDMLVILND NEMSISENVG ALNNHLAQLL SGKLYSSLRE GGKVFSGVP PIKELLKRT EHIKGMVVP TLFEEELGFNY IGPVDGHDVL GLITTLKNMR DLKGPQFLHI MTKKGRGYEP AEKDPITFHA VPKFDPPSSGC 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
<b>Source</b>	Mammalian cell
<b>Target Names</b>	dxs
<b>Protein Names</b>	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
<b>Expression Region</b>	2-620
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.