



Recombinant Escherichia coli Transketolase 1(tktA)

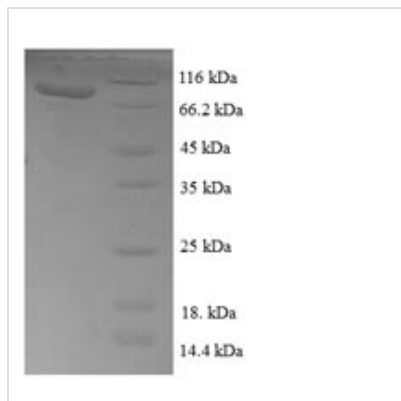
Product Code	CSB-EP340865ENV
Relevance	Catalyzes the reversible transfer of a two-carbon ketol group from sedoheptulose-7-phosphate to glyceraldehyde-3-phosphate, producing xylulose-5-phosphate and ribose-5-phosphate. Catalyzes the transfer of a two-carbon ketol group from a ketose donor to an aldose acceptor, via a covalent intermediate with the cofactor thiamine pyrophosphate.
Storage	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.
Uniprot No.	P27302
Storage Buffer	Tris-based buffer, 50% glycerol
Product Type	Recombinant Protein
Species	Escherichia coli (strain K12)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSSRKELANAIRALSMDAVQKAKSGHPGAPMGMAIDAEVLWRDFLKHNPQNP SWADRDRFVLSNGHGSMLIYSLHLTGYDLPMEELKNFRQLHSKTPGHPEVG YTAGVETTTGPLGQGIANAVGMAIAEKTAAQFNRPBGHDIVDHYTYAFMGDGC MMEGISHEVCSLAGTLKLGKLIIFYDDNGISIDGHVEGWFTDDTAMRFEAYGW HVIRIDIGHDAASIKRAVEEARAVTDKPSLLMCKTIIGFGSPNKAGTHDSHGAP LGDAEIALTREQLGWKYAPFEIPSEIYAQWDAKEAGQAKESAWNEKFAAYAKA YPQEAAEFTRRMKGEMPSDFDAKAKEFIKLANPAKIASRKASQNAIEAFGP LLPEFLGGSADLAPSNLTLWSGSKAINEDAAGNYIHYGVREFGMTAIANGISLH GGFLPYTSTFLMFVEYARNAVRMAALMKQRQVMVYTHDSIGLGEDGPTHQVP EQVASLRVTPNMSTWRPCDQVESAVAWKYGVERQDGPTALILSRQNLAQQE RTEEQLANIARGGYVLKDCAGQPELIFIATGSEVELAVAAYEKLTAEGVKARVV SMPSTDAFDKQDAAYRESVLPKAVTARVAVEAGIADYWKYVGLNGAIVGMT TFGESAPAEELLFEEFGFTVDNVVAKAKELL
Research Area	Others
Source	E.coli
Gene Names	tktA
Expression Region	1-663aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	88.2kDa



Protein Description

Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.