

MCT/SACOL1244 Protein, *S. aureus* (P.pastoris, His)

Cat. No.:	HY-P71828
Synonyms:	fabD; SACOL1244Malonyl CoA-acyl carrier protein transacylase; MCT; EC 2.3.1.39
Species:	Staphylococcus aureus
Source:	P. pastoris
Accession:	Q5HGK3 (1M-308D)
Gene ID:	59700055
Molecular Weight:	Approximately 35.6 kDa

PROPERTIES

AA Sequence	<pre> MSKTAIIIFPG QGAQKVGMAQ DLFNNDQAT EIL TSAANTL DFDILETMFT DEEGKLGETE NTQPALLTHS SALLAALKNL NPDFTMGHS L GEYSSLVAAD VLSFEDAVKI VRKRGQLMAQ AFP TGVGSMA AVLGLDFDKV DEICKSLSSD DKIIEPANIN CPGQIVVSGH KALIDELVEK GKSLGAKRVM PLAVSGPFHS SLMKVIEEDF SSYINQFEWR DAKFPVVQNV NAQGETDKEV IKSNMVKQLY SPVQFINSTE WLIDQGVDFH IEIGPGKVL S GLIKKINRDV KLTSIQTLED VKGWNEND </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in PBS, 6% Trehalose, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	MCT/SACOL1244 protein is intricately involved in lipid metabolism, specifically playing a vital role in the biosynthesis of fatty acids.
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Caution: Product has not been fully validated for medical applications. For research use only.

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