

---

**Product Data Sheet**


---

Product Name: OXSM Human

Cat. No.: GP22039

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	3-Oxoacyl-ACP Synthase Mitochondrial; Type II Mitochondrial Beta-Ketoacyl Synthase; 3-Ketoacyl-Acyl Carrier Protein Synthase; FASN2D; KASI; EC 2.3.1; Beta-Ketoacyl-ACP Synthase.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSKRKFFGT VPISRLHRRV VITGIGLVTP LGVGTHLVWD RLIGGESGIV SLVGEEYKSI PCSVAAYVPR GSDEGQFNEQ NFVSKSDIKS MSSPTIMAIG AAELAMKDSG WHPQSEADQV ATGVAIGMGM IPLEVVSETA LNFQTKGYNK VSPFFVPKIL VNMAAGQVSI RYKLGPNHA VSTACTTGAH AVGDSFRFIA HGDADVMVAG GTDSCISPLS LAGFSRARAL STNSDPKLAC RPFHPKRDGF VMGEGAAVLV LEEYHAVQR RARIYAEVLG YGLSGDAGHI TAPDPEGEGA LRCMAAALKD AGVQPEEISY INAHATSTPL GDAAENKAIK HLFKDHAYAL AVSSTKGATG HLLGAAGAVE AAF TTLACY QKLPPTLNLD CSEPEFDLNY VPLKAQEWKT EKRFI GLTNS FGFGGTNATL CIAGL.		
Formulation	The OXSM solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.		

**Introduction**

OXSM, a beta-ketoacyl synthetase, is essential for elongation of fatty acid chains in the mitochondria. Alternatively spliced transcript variants were found.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

OXSM Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 455 amino acids (28-459) and having a molecular mass of 48.1kDa. OXSM is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

***Caution: Product has not been fully validated for medical applications. For research use only.***

***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com***

***Address: 10292 Central Ave. #205, Montclair, CA, USA***