

## 32-2638: OXSM Recombinant Protein

**Alternative Name :** 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.

### Description

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

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** The OXSM solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSKRKFFGT VPISRLHRRV VITGIGLVTP LGVGTHLVWD  
RLIGGESGIV SLVGEEYKSI PCSVAAYVPR GSDEGQFNEQ NFVSKSDIKS MSSPTIMAIG  
AAELAMKDSG WHPQSEADQV ATGVAIGMGM IPLEVVSETA LNFQTKGYNK VSPFFVPKIL  
VNMAAGQVSI RYKLGPNHA VSTACTTGAAH AVGDSFRFIA HGDADVMVAG GTDSCISPLS  
LAGFSRARAL STNSDPKLAC RPFHPKRDGF VMGEGAAVLV LEEYEHAVQR RARIYAEVLG  
YGLSGDAGHI TAPDPEGEA LRCMAAALKD AGVQPPEISY INAHATSTPL GDAENKAIK  
HLFKDHAYAL AVSSTKGATG HLLGAAGAVE AAFRTLACY YQKLPPTLNLD CSEPEFDLNY  
VPLKAQEWKT EKRFGLTNS FGFGGTNATL CIAGL.

