

**OXSM, 28-459aa, Human, His tag, E.coli**

**Cat.NO.: TP03274**

3th Edition

**Synonyms:**3-oxoacyl-ACP synthase, mitochondrial, FASN2D, KASI, KS

**Description:**OXSM is a beta-ketoacyl synthetase. The enzyme is required for elongation of fatty acid chains in the mitochondria. Alternatively spliced transcript variants have been described. Recombinant human OXSM protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**Molecular Weight:**48.1 kDa (455aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSKRKFFGTVPI SRLHRRVVITGIGLVTP LGVGT HLVWDR LIGGESGIVSLVGEE  
YKSIPCSVAAYVPRGSDEGQFNEQNFVSKSDIKSMSSPTIMAIGAAELAMKDSGWHPQSEADQVATGVAIGMGMIP  
LEV VSETALNFQTKGYNKVSPFFVPKILVNMAAGQVSIRYKLGPNHAVSTACTTGAHAVGDSFRFIAHGDADVMV  
AGGTDSCISPLSLAGFSRARALSTNSDPKLACRPFHPKRDGFVMGEGAAVLVLEEYEHAVQRRARIYAEVLGYGLS  
GDAGHITAPDPEGEGALRCMAAALKDAGVQPEEISYINAHATSTPLGDAAENKAIKHLFKDHAYALAVSSTKGATGH  
LLGAAGAVEAAFTTLACY YQKLPPTLNLDCSEPEFDLNYVPLKAQEWKTEKRFI GLTNSFGFGGT NATLCIAGL

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.