

Recombinant Human OXSM Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. OXSM-2456H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OXSM MS Standard C13 and N15-labeled recombinant protein (NP_060367) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a beta-ketoacyl synthetase. The encoded enzyme is required for elongation of fatty acid chains in the mitochondria. Alternatively spliced transcript variants have been described.
Molecular Mass	48.8 kDa
AA Sequence	MSNCLQNFLKITSTRLLCSRLCQQLRSKRKFFGTVPISRLHRRVVITGIGLVTPLGVG THLVWDRLIGGESGIVSLVGEEYKSIPCSVAAYVPRGSDEGQFNEQNFVSKSDIKSM SSPTIMAIGAAELAMKDSGWHPQSEADQVATGVAIGMGMIPLVVSETALNFQTKGY NKVSPFFVPKILVNMAAGQVSIRYKLKGNHAVSTACTTGAHAVGDSFRFIAHGDA VMVAGGTDSCISPLSLAGFSRARALSTNSDPKLACRPFHPKRDGFVMGEGAAVLVL EEYEHAVQRRARIYAEVLGYGLSGDAGHITAPDPEGEGALRCMAAALKDAGVQPEE ISYINAHATSTPLGDAAENKAIKHLFKDHAYALVSSTKGATGHLLGAAGAVEAAFTT LACYYQKLPPTLNLDCSEPEFDLNYVPLKAQEWKTEKRFIGLTNSFGFGGTNATLCIA GLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	OXSM 3-oxoacyl-ACP synthase, mitochondrial [Homo sapiens (human)]
Official Symbol	OXSM
Synonyms	OXSM; 3-oxoacyl-ACP synthase, mitochondrial; KS; CEM1; KASI; FASN2D; 3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial; 3-ketoacyl-acyl carrier protein synthase; 3-oxoacyl-acyl-carrier-protein synthase; acyl-malonyl acyl carrier protein-condensing enzyme; beta-ketoacyl synthase; beta-ketoacyl-ACP synthase; type II mitochondrial beta-ketoacyl synthase; EC 2.3.1.41
Gene ID	54995
mRNA Refseq	NM_017897
Protein Refseq	NP_060367
MIM	610324
UniProt ID	Q9NWU1

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