

# Recombinant Human ACOX3 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ACOX3-5020H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	ACOX3 MS Standard C13 and N15-labeled recombinant protein (NP_003492) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>Acyl-Coenzyme A oxidase 3 also known as pristanoyl -CoA oxidase (ACOX3) is involved in the desaturation of 2-methyl branched fatty acids in peroxisomes. Unlike the rat homolog, the human gene is expressed in very low amounts in liver such that its mRNA was undetectable by routine Northern-blot analysis or its product by immunoblotting or by enzyme activity measurements. However the human cDNA encoding a 700 amino acid protein with a peroxisomal targeting C-terminal tripeptide S-K-L was isolated and is thought to be expressed under special conditions such as specific developmental stages or in a tissue specific manner in tissues that have not yet been examined.</p>
<b>Molecular Mass</b>	77.4 kDa
<b>AA Sequence</b>	<p>MASTVEGGDTALLPEFPRGPLDAYRARASFSWKELALFTEGEGMLRFKKTIFSALEN  DPLFARSPGADLSLEKYRELNFLRCKRIFEYDFLSVEDMFKSPLKVPALIQCLGMYDS  SLAAKYLLHSLVFGSAVYSSGSRHLTYIQKIFRMEIFGCFALTELSHGSNTKAIRTTA  HYDPATEEFIIHSPDFEAAKFWVGNMGKTATHAVVFAKLCVPGDQCHGLHPFIVQIR</p>

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DPKTLMPGVMVGDIGKKLGQNGLDNGFAMFHKVRVPRQSLNRMGDVTPEGTY  
 VSPFKDVRQRFGASLGSLSGRVSIIVSLAILNLKLAVAIALRFSATTRRQFGPTEEEIIP  
 VLEYPMQQWRLLPYLAAYALDHFSKSLFLDLVELQRGLASGDRSARQAELGREIH  
 ALASASKPLASWTTQQGIQECREACGGHGYLAMNRLGVLRDDNDPNCTYEGDNNI  
 LLQQTSNYLLGLLAHQVHDGACFRSPLKSVDFLDAYPGILDQKFEVSSVADCLDSAV  
 ALAAYKWLVCYLLRETYQKLNQEKRSGSSDFEARNKCVSHGRPLALAFVELTVVQ  
 RFHEHVHQPSVPPSLRAVLGRLSALYALWLSRHAALLYRGGYFSGEQAGEVLESA  
 VLALCSQLKDDAVALVDVIAPPDFVLDSPIGRADGELYKNLWGAVLQESKVLERASW  
 WPEFSVNKPVIGSLKSKLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**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** [ACOX3 acyl-CoA oxidase 3, pristanoyl \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [ACOX3](#)

**Synonyms** ACOX3; acyl-CoA oxidase 3, pristanoyl; acyl Coenzyme A oxidase 3, pristanoyl; peroxisomal acyl-coenzyme A oxidase 3; BRCAcox; pristanoyl-CoA oxidase; branched-chain acyl-CoA oxidase; acyl-Coenzyme A oxidase 3, pristanoyl;

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Gene ID 8310

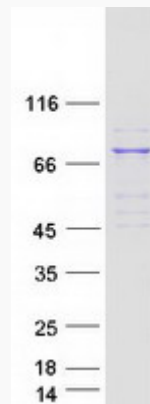
mRNA Refseq NM\_003501

Protein Refseq NP\_003492

MIM 603402

UniProt ID O15254

SDS-PAGE



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