

## Product datasheet for TP322515

### ACOX3 (NM\_003501) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human acyl-Coenzyme A oxidase 3, pristanoyl (ACOX3), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222515 representing NM_003501 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MASTVEGGDTALLPEFPRGPLDAYRARASFSWKELALFTEGEGMLRFKKTIFSALENDPLFARSPGADLS  
LEKYRELNFLRCKRIFEYDFLSVEDMFKSPLKVPALIQCLGMYDSSLAAKYLLHSLVFGSAVYSSGSRH  
LTYIQKIFRMEIFGCFALTELSHGSENTKAIRTTAHDYDPATEEFIIHSPDFEAAKFWGNMGKTATHAVVF  
AKLCVPGDQCHGLHPFIVQIRDPKTLLPMPGVMVGDIGKKLGQNGLDNGFAMFHKVRVPRQSLNRMG  
DV  
TPEGTYVSPFKDVRQRFQASLGSLSSGRVSIVSLAILNLKLAVAIALRFSATRRQFGPTEEEEEIPVLEYP  
MQQWRLLPYLAAYALDHFSKSLFLDLVELQRGLASGDRSARQAELEGREIHALASASKPLASWTTQQGIQ  
ECREACGGHGYLAMNRLGVLRDDNDPNCTYEGDNNILLQQTSNYLLGLLAHQVHDGACFRSPLKSVDFL  
D  
AYPGILDQKFEVSSVADCLDSAVALAAYKWLVCYLLRETYQKLNQEKRSGSSDFEARNKCQVSHGRPLAL  
AFVELTVVQRFHEHVHQPSVPPSLRAVLGRLSALYALWLSRHAALLYRGGYFSGEQAGEVLESAVLALC  
SQLKDDAVALVDVIAPPDFVLDSPIGRADGELYKNLWGAVLQESKVLERASWWPEFSVKNPKVIGSLKSKL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	77.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_003492](#)

**Locus ID:** 8310

**UniProt ID:** [O15254](#)

**RefSeq Size:** 2415

**Cytogenetics:** 4p16.1

**RefSeq ORF:** 2100

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Pathways:** alpha-Linolenic acid metabolism, Biosynthesis of unsaturated fatty acids, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway

### Product images:



Coomassie blue staining of purified ACOX3 protein (Cat# TP322515). The protein was produced from HEK293T cells transfected with ACOX3 cDNA clone (Cat# [RC222515]) using MegaTran 2.0 (Cat# [TT210002]).