

Recombinant Human ACOX3 Protein, GST-Tagged

Cat. No. ACOX3-175H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACOX3 full-length ORF (AAH17053.1, 1 a.a. - 624 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	96 kDa
AA Sequence	MASTVEGGDTALLPEFPRGPLDAYRARASFSWKELALFTEGEGMLRFKKTIFSALEN DPLFARSPGADLSLEKYRELNFLRCKRIFEYDFLSVEDMFKSPLKVPALIQCLGMYDS SLAAKYLLHSLVFGSAVYSSGSRHLTYIQKIFRMEIFGCFALTELSHGSNTKAIRTTA HYDPATEEFIIHSPDFEAAKFWVGNMGKTATHAVVFAKLCVPGDQCHGLHPFIVQIR DPKTLMPGVMVGDIGKKLGQNGLDNGFAMFHKVRVPRQSLNRMGDVTPEGTY

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VSPFKDVRQRFGASLGSLSSGRVSIVSLAILNLKLAVAIALRFSATRRQFGPTEEEEIP
 VLEYPMQQWRLLPYLAAYALDHFSKSLFLDLVELQRGLASGDRSARQAELEGREIH
 ALASASKPLASWTTQQGIQECREACGGHGYLAMNRLGVLRDDNDPNCTYEGDNNI
 LLQQTSNYLLGLLAHQVHDGACFRSPLKSVDFLDAYPGILDQKFEVSSVADCLDSAV
 ALAAYKWLVCYLLRETYQKLNQEKRSGSSDFEARNKCQVSHGRPLALAFVELTVVQ
 RFHEHVHQPSVPPSLRAVLGRLSALYALWSLSRHAALLYRAERRCSCPGRRDRSS

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

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

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;

Gene ID

[8310](#)

mRNA Refseq

[NM_001101667](#)

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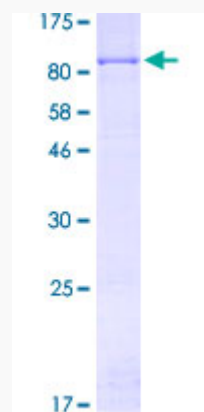
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Protein Refseq NP_001095137

MIM 603402

UniProt ID O15254



12.5% SDS-PAGE Stained with Coomassie Blue.

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