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32-8855: Recombinant Human Peroxisomal Acyl-coenzyme A Oxidase 1/ACOX1 (N-6His)(Discontinued)

Gene : ACOX1
Gene ID : 51
Uniprot ID : Q15067

Description

Source: E.coli.
MW :76.8kD.
Recombinant Human Peroxisomal Acyl-coenzyme A oxidase 1 is produced by our expression system and the target gene encoding Met1-Leu660 is expressed with a 6His tag at the N-terminus. Peroxisomal acyl-coenzyme A oxidase 1 is an enzyme belongs to the acyl-CoA oxidase family. It catalyzes the desaturation of acyl-CoAs to 2-trans-enoyl-CoAs. It shows highest activity against medium-chain fatty acyl-CoAs and activity decreases with increasing chain length. It donates electrons directly to molecular oxygen, thereby producing hydrogen peroxide. it is involved in the pathway peroxisomal fatty acid beta-oxidation, which is part of Lipid metabolism. Defects in this gene result in pseudoneonatal adrenoleukodystrophy, a disease that is characterized by accumulation of very long chain fatty acids.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM Tris, 500mM NaCl, pH7.0, 20% gly, 3mM DTT .
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGSSHHHHHHSSGLVPRGSHMNPDLRRERDSASFNPELLTHILDGSPEKTRRRREIENMILNDPDFQHEDLNF
LTRSQRYEVAVRKSAIMVKKMREFGIADPDEIMWFKNFVHRGRPEPLDLHLGMFLPTLLHQATAEQQERFFMP
AWNLEIIGTYAQTEMGHGTHLRGLETTATYDPETQEFILNSPTVTSIKWWPGGLGKTSNHAIVLAQLITKGKCYG
LHAFIVPIREIGTHKPLPGITVGDIGPKFGYDEIDNGYLKMDNHRIPRENMLMKYAQVKPDGTYVKPLSNKLTYGT
MVFVRSFLVGEAARALSKACTIAIRYSAVRHQSEMKPGEPEPQILDFQTQQYKLFPLLATAYAFQFVGAYMKETY
HRINEGIGQGDLSELPELHALTAGLKAFTSWTANTGIEACRMACGGHGYSHCSGLPNIYVNFTPSCTFEGENTV
MMLQTARFLMKSYDQVHSGKLVCGMVSYLNDLPSQRIQPQQVAVWPTMVDINSPESLTEAYKLRAARLVEIAA
KNLQKEVIHRKSKEVAWNLTSVDLVRASEAHCHYVVVKLFSEKLLKIQDKAIQAVLRSLCLLYSLYGISQNAGDF
LQGSIMTEPQITQVNQRVKELLTLIRSDAVALVDAFDFQDVTLGSVLGRYDGNVYENLFEWAKNSPLNKAEVHE
SYKHLKSLQSKL

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.