

Mouse	Shared	Human	
FFQEEVIPHHTWEK FFQEEVIPHHTWEK TVAHIQTVQHK IFSSEHDIFR QLLGINIAEK IANYGTK CIGAIAMTEPGAGSDLQGV RSGSDWILNGSK SPAHGISLFLVENG MKLPANALLGEENK GFYYLMQELPQER RLDSGSASMAK AQDTAELFFEDVR	GGWGYMWEYPIAK VQPIYGGTNEIMK	-	mLong Chain Specific Acyl-CoA Dehydrogenase (mLCAD)
LVELEVLGDGHEPDGGQR ALAYYNYDDLPK SEFYADEISK IFSSEHDIFR QLLGINIAEK	-	-	mAcyl-CoA Thioesterase (mACAT)
HLLPPVDDTTQGK NPPETDPTEHTEHK EGASEEETNLSKM TESELLEISGK EGYLQIGATTQQAQR YISEGFQPVAVFLGVPFAKPP LGSRLYRPSFVSDQ MNEETASLLLR YRPSFVSDK ILSDMFSTE ISEDCLYLNISPADLTK LDQLAALR FHSELNISESMIPAVIEQ DAGVSTYMYEFR NGNPNGEGLPHWPEYDEQ GNWGHLDQVAALR YLNIYSPADLTK	AISESGVSLTAALITTDVKPIAGL VATLSGCKT APEEILAEKS DGASEEETNLSKM IGASTQAAQRL SAHENVVVTIQYR PSSPPVNTVKG FFSTGDEHSRG* YLGGTDDLTKK FLKDGASEEETNLSKM	-	mCarboxylesterase-1 (mCE-1)
AFSGYLGPDESK SGYQQAASEHGLVVIAPDTSSPR SVSAFAPICNPVLCSWGK FAVYLPQAESGK	YVTEELPQLINANFPVDPQR	-	mEsteraseD

Mouse

Shared

Human

APEEVSDHNYESIQTSAQK  
HVLHVQLNRPEK  
ELVECFQK  
MFTSGIDLMDASELMQPSGDDAAR  
IGGGVDLVSACDIR  
YCTQDAFFQIK  
EVDMGLAADVGTLQR  
VIGNQSLVNETFSAR  
MMADEALDSGLVSR  
DAMLNAAFAL  
ALAADISSK  
DHSVDESLDYMATWN  
MSMLQTQDIK  
VAGHPDVVINNAAGNFISPSE  
EWDIIEGLIR

VAFITGGGTGLGK

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mEnoyl-CoA Hydratase  
(mECH)

VAASVDLITK  
QAPLLIGSTK  
GYTVLGVEGR  
YHGNVTLR  
SEAVVAVLLTK  
SDEAVKPLGVK  
LGMLSPDGTGR  
LGPVGGVFNLAMVLR  
LKEDTQVADVTTSR  
VYATILNAGTNTDGSK  
VSDLLLSTDER  
SFDDSGSGYCR  
VYLWEDPNSK  
AAMLGQEDPPQHGLPR  
GNAGQTNYGANSTMER  
WLSTSIPEAQWQSSLAR  
LFDHPEVPTPPESASVSR  
LLLPEPLISGLLNSQALK  
VAEVLAGEGHLYSR  
CILLSNLSNTSHAPK  
SNMGHPEPASGLAALTK  
DPETLLGYSMVGCQR  
EEEEPAVLPGAQPTLISAISK  
HFQLEQDKPK  
LQVDRPLPVR  
DCMLGMEFSGR  
QQEQLVPTLEK  
EDTQVADVTTSR  
VTAIYIDPATHR  
DNLEFFLTNLGK  
LDPGSPELQQVLK  
TLEAVQDLLEQGR  
FPQLDDTSFANSR  
DAMLENQTPELFQDVNPKK  
TGGTYGEDLGADYNLSQVCDGK  
FVFTPHMEAECLESTALQK  
GYDYGPFQFGICEATLEGEQK  
VHLTGINVNPALFPPVEFPAPR  
GTNTGVWVGSGSEASEALSR

LSPDAIPGK  
TGTVALEVR  
VLEALLPLK  
VFTTVGSAEK  
VQVQEGPYR  
HDLVMNVYR  
FDASFFGVHPK  
VGDPQELNGITR  
GVDLVLNSLAEEK

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mFatty Acid Synthase  
(mFAS)

Mouse	Shared	Human	
-	GSTGFGQDSILSLPGNVGHQDVK	ALDVSASDDEIAR VTSVVVDVVR VGFLPSAGK	hAcyl-Peptide Hydrolase (APH)
-	-	AAPDQDEIQL FYATNDTEVAQSNFEALQDFFRL DLECVTNLQEVAR	hCathepsinA
-	-	NFNIAKILAQQ AINIADELPR VNLDAQTQLDK LLDGEAALPAVVFLHGLFGSK	hFLJ11342
-	HEVININLK	SQNKEDYAGLK LNECVDHTPK EDPTVSALLTSEK	hGlutathione S-Transferase Omega (GST-O-1)
-	PLLTDAATVSGAER ETAAVIFLHGLGDTGHSWADALSTIR* IPVTLMNK* SPDAPEDEAGIKK* DLAILQCHGELDPMVPVR* TYPGVMHSSCPQEMA AVK IDQEVK LAGVTALSCWLPLR	YICPHAPVR ASFPQGPIGGANR TLVNPANVTFK	hLysophospholipase-A1 (hLyso-PL1)
-	ETAVVIFLHGLGDTGHSWADALSTIR* IPVTLMNK* SPDAPEDEAGIKK* DLAILQCHGELDPMVPVR*	TYLGVMHSSCPQEMA AVK	hDJ7053.6 (hLyso-PL2 homolog)
		ALIFVSHGAGEHSGR VLANPESATTFK IYEGAYHVLHK	hMono-Acyl Glycerol Lipase (hMAG-Lipase)
-	AAEDIQGDDR ELFSPLHALNFGIGDTR NGELENIKPK PLHELIMQLEETPEEK LENGELEHIRPK VVVLGLLPR	AIVQLVNER	hPlatelet-Activating Factor Acetylhydrolase (PAF-AH)

Mouse

Shared

Human

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GLAPEQPVTLR

ADTLGELDLER  
ALAYNYEDLPK  
GETLPPVGVNR

hPeroxisomal Long-Chain Acyl CoA Thioesterase (PTE)

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AQCHSVPVK  
VYTAQNPSAQUALGLGK  
FPPHHLTIVLGR  
PGEEEQKFEVEK  
EFDDDTYDNDIALLQLK  
HEALSPFYSER  
TVTDNMLCAGDTR  
ATCYEDQGGSYR

hTissue-Type Plasminogen Activator (htPA)

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IIGGEFTTIENQPWFAAIYR  
KEDYIVYLGR  
FEVENLILHK  
DYSADTLAHHNDIALLK  
MLCAADPQWK  
VSHFLPWIR

hUrokinase-Type Plasminogen Activator (huPA)