

List of peptides in MRMplus Standard Mix, Metabolic Enzyme Deck (#FMI-METMIX)

[Human metabolic enzymes]

Symbol	GeneID	Symbol	GeneID	Symbol	GeneID	Symbol	GeneID	Symbol	GeneID
AADAT	51166	CAT	847	GPX7	2882	NDUFA8	4702	POLR2H	5437
AASDHPPT	60496	CBR1	873	GRHPR	9380	NDUFA9	4704	POLR2L	5441
ACAA1	30	CBR3	874	GUK1	2987	NDUFB1	4707	PPA1	5464
ACAA2	10449	CBS	875	GYS1	2997	NDUFB10	4716	PPA2	27068
ACACA	31	CKB	1152	HADH	3033	NDUFB4	4710	PPAT	5471
ACADM	34	CMAS	55907	HADHA	3030	NDUFB5	4711	PRDX6	9588
ACAT1	38	CMPK1	51727	HADHB	3032	NDUFB7	4713	PRIM1	5557
ACAT2	39	COASY	80347	HEXA	3073	NDUFS1	4719	PRIM2	5558
ACO1	48	COMT	1312	HEXB	3074	NDUFS2	4720	PRPS1	5631
ACO2	50	COX4I1	1327	HIBADH	11112	NDUFS3	4722	PRPS2	5634
ACOT7	11332	COX7A2	1347	HK2	3099	NDUFS6	4726	PSAT1	29968
ACP1	52	CRYL1	51084	HMBS	3145	NDUFS7	374291	PSPH	5723
ACP2	53	CS	1431	HMGCL	3155	NDUFS8	4728	PYCR1	5831
ACSS2	55902	CTH	1491	HMGCS1	3157	NDUFV1	4723	PYCR2	29920
ADH5	128	CTPS	1503	HMOX1	3162	NDUFV2	4729	PYCRL	65263
ADPGK	83440	CTPS2	56474	HMOX2	3163	NFS1	9054	PYGB	5834
ADSL	158	CYB5R3	1727	HNMT	3176	NIT2	56954	PYGL	5836
ADSS	159	DAK	26007	HPRT1	3251	NME1	4830	QDPR	5860
AGK	55750	DCI	1632	HSD17B10	3028	NME7	29922	QPRT	23475
AGL	178	DCK	1633	HSD17B12	51144	NMNAT1	64802	RDH11	51109
AGPAT6	137964	DCTD	1635	HSD17B4	3295	NOS1	4842	RRM1	6240
AGPS	8540	DCXR	51181	HYI	81888	NSDHL	50814	RRM2B	50484
AHCY	191	DERA	51071	IARS	3376	NT5C2	22978	SCD	6319
AHCYL1	10768	DGKA	1606	IARS2	55699	NT5C3	51251	SCP2	6342
AK1	203	DHCR24	1718	IDH2	3418	NT5E	4907	SDHB	6390
AK2	204	DHFR	1719	IDH3A	3419	NUDT2	318	SGPL1	8879
AK3	50808	DLAT	1737	IDH3B	3420	NUDT5	11164	SHMT2	6472
AK7	122481	DLD	1738	IDH3G	3421	NUDT9	53343	SMPD4	55627
AKR1B1	231	DLST	1743	IDI1	3422	OAT	4942	SMS	6611
ALDH18A1	5832	DTYMK	1841	IMPA1	3612	PAFAH1B2	5049	SOAT1	6646
ALDH1B1	219	DUT	1854	IMPDH1	3614	PAFAH1B3	5050	SORD	6652
ALDH2	217	EARS2	124454	INPP1	3628	PAICS	10606	SRM	6723
ALDH3A2	224	ECHS1	1892	ISYNA1	51477	PANK4	55229	SUCLA2	8803
ALDH9A1	223	ENO1	2023	ITPA	3704	PAPSS2	9060	SUCLG2	8801
ALDOA	226	ENOPH1	58478	IVD	3712	PCCB	5096	TALDO1	6888
ALDOC	230	EPHX2	2053	LAP3	51056	PCYT2	5833	TCIRG1	10312
AMPD2	271	FAH	2184	LARS2	23395	PDHA1	5160	TECR	9524
AMPD3	272	FDFT1	2222	LDHA	3939	PECI	10455	TK1	7083
APIP	51074	FDPS	2224	LDHB	3945	PFKL	5211	TKT	7086
ASNS	440	FTH1	2495	LIPA	3988	PFKM	5213	TST	7263
ATIC	471	G6PD	2539	LPCAT1	79888	PFKP	5214	TSTA3	7264
ATP4A	495	GALE	2582	LPGAT1	9926	PGD	5226	TXNRD1	7296
ATP5A1	498	GALK1	2584	LSS	4047	PGK1	5230	TXNRD2	10587
ATP5B	506	GAMT	2593	LTA4H	4048	PGLS	25796	UAP1	6675
ATP5C1	509	GAPDH	2597	LYPLA1	10434	PGM1	5236	UAP1L1	91373
ATP5D	513	GBA	2629	LYPLA2	11313	PGM2	55276	UCKL1	54963
ATP5E	514	GBE1	2632	MAT2A	4144	PGM3	5238	UGP2	7360
ATP5H	10476	GFPT2	9945	MAT2B	27430	PHGDH	26227	UMPS	7372
ATP5I	521	GGH	8836	MBOAT7	79143	PHPT1	29085	UQCRB	7381
ATP5L	10632	GGPS1	9453	MDH1	4190	PIP4K2A	5305	UQCRC1	7384
ATP5O	539	GGT5	2687	MDH2	4191	PIP4K2C	79837	UQCRC2	7385
ATP6AP1	537	GGT6	124975	ME1	4199	PKM1	5315	UQCRFS1	7386
ATP6V0D1	9114	GK	2710	ME2	4200	PKM2	5315	UQCRCQ	27089
ATP6V1A	523	GLB1	2720	MCCR	51102	PLA2G4A	5321	UROS	7390
ATP6V1B2	526	GLO1	2739	MGLL	11343	PLA2G7	7941	UXS1	80146
ATP6V1C1	528	GLS	2744	MIF	4282	PLCD1	5333	VARS	7407
ATP6V1D	51382	GLT25D1	79709	MINPP1	9562	PLOD1	5351	WARS	7453
ATP6V1E1	529	GLUD1	2746	MPST	4357	PLOD2	5352	WHSC1	7468
ATP6V1F	9296	GMDS	2762	MTHFD1	4522	PLOD3	8985		
ATP6V1G1	9550	GMPPA	29926	MTMR1	8776	PMM1	5372		
ATP6V1H	51606	GMPPB	29925	MTMR6	9107	PMM2	5373		
B4GALT1	2683	GMPR2	51292	MUT	4594	PMVK	10654		
BCAT1	586	GNE	10020	MVD	4597	PNP	4860		
BCAT2	587	GNPDA1	10007	NAMPT	10135	PNPT1	87178		
BCMO1	53630	GNPDA2	132789	NANS	54187	POLD3	10714		
BDH2	56898	GOT1	2805	NDUFA10	4705	POLE3	54107		
BLVRA	644	GOT2	2806	NDUFA3	4696	POLR1E	64425		
BLVRB	645	GP2	2820	NDUFA4	4697	POLR2E	5434		
BPNT1	10380	GPI	2821	NDUFA5	4698	POLR2F	5435		
C1orf57	84284	GPT2	84706	NDUFA6	4700	POLR2G	5436		

[Internal controls]

Symbol	GeneID
POTEE;ACTA1;ACTB;POTEF;ACTA2;ACTG1;ACTG2;ACTC1;POTEI;POTEJ	445582;58;60;728378;59;71;72;70;653269;653781
ACTBL2;POTEE;ACTA1;ACTB;POTEF;ACTA2;ACTG1;ACTG2;ACTC1;POTEI;POTEJ	345651;445582;58;60;728378;59;71;72;70;653269;653781
ACTBL2;ACTA1;ACTB;ACTA2;ACTG1;ACTG2;ACTC1	345651;58;60;59;71;72;70
HSP90AA1;HSP90AB1	3320;3326
HSP90B1;HSP90AB1	7184;3326
TUBA13;TUBA8;TUBA4A;TUBA3C;TUBA1A;TUBA1B;TUBA1C;TUBA3D;TUBA3E	79861;51807;7277;7278;7846;10376;84790;113457;112714
TUBA4A;TUBA3C;TUBA1A;TUBA1B;TUBA1C;TUBA3D	7277;7278;7846;10376;84790;113457
TUBB2A;TUBB2C;TUBB2B;TUBB	7280;10383;347733;203068