

β -N-acetylhexosaminidase β -subunit amino acid sequences

Monkey	1	MELCGLGLPRPPMLLALLLATLLAAMLALLTQVALVVQVAEATRAPGVSAARGPALWPLP	60
Human		MELCGLGLPRPPMLLALLLATLLAAMLALLTQVALVVQVAEAAARAPSVSAKPGPALWPLP	
Monkey	61	LSVKMTPNLLHLAPENFYISHSPNSTAGPSTLLEEAFRRYHSYIFGFYKWDHEPAKSQA	120
Human		LSVKMTPNLLHLAPENFYISHSPNSTAGPSTLLEEAFRRYHGYIFGFYKWHHEPAEFQA	
Monkey	121	TAQLQQLLVSITLQSECDAFPNISSDES YTLVKEPVAVLKANRVWGALRGLETFSQLVY	180
Human		KTQVQQLLVSITLQSECDAFPNISSDES YTLVKEPVAVLKANRVWGALRGLETFSQLVY	
Monkey	181	QDSCGTF TINESTIIDSPRFP HRGILIDTSRHYLPVKIILKTLDAMAFNKFNVLHWHIVD	240
Human		QDSYGTFTINESTIIDSPRFS HRGILIDTSRHYLPVKIILKTLDAMAFNKFNVLHWHIVD	
Monkey	241	DQSFYQSI AFPELSNKGSYSLSHVYTPNDVRMVEYARLRGIRVLP EFDTPGHTLSWGK	300
Human		DQSFYQSI TFPPELSNKGSYSLSHVYTPNDVRMVEYARLRGIRVLP EFDTPGHTLSWGK	
Monkey	301	GQKDLLTPCYSRQNKLD SFGPINPTLNTTYSFLT TFFKEISEVFPDQFIHLGGDEVEFKC	360
Human		GQKDLLTPCYSRQNKLD SFGPINPTLNTTYSFLT TFFKEISEVFPDQFIHLGGDEVEFKC	
Monkey	361	WESNPKIQDFM KQKGF GDFKKLESFYIQVLDIIATINKGSIVWQEVFDDK V K LAPGTI	420
Human		WESNPKIQDFM RQKGF TDFKKLESFYIQVLDIIATINKGSIVWQEVFDDK A K LAPGTI	
Monkey	421	VEVWKN AYPEELS KVTASGFPVILSAPWYLDLISYGQDWRKYYKVEPLDFGGT R EQKQL	480
Human		VEVWKS SAYPEELS RVTASGFPVILSAPWYLDLISYGQDWRKYYKVEPLDFGGT Q K QKQL	
Monkey	481	FIGGEACLWGEYVDATNLTPRLWPRASAVGERLWSSKDVRDMD GAYDRLTRHRCRMVERG	540
Human		FIGGEACLWGEYVDATNLTPRLWPRASAVGERLWSSKDVRDMD DAYDRLTRHRCRMVERG	
Monkey	541	IAAQPLYAGYCNHENV	556
Human		IAAQPLYAGYCNHENM	

Supplementary Figure S3. Alignment of monkey (cm) and human β -N-acetylhexosaminidase β -subunit amino acid sequences. Differences highlighted in yellow.