

(A) Amino acid sequence of human ZAR2 protein

MERFVRVPYGLYQGYGSTVPLGQPGLSGHKQPD
WRQNMGPPTFLARPGLLVPANAPDYCIDPYKRA
QLKAILSQMNPSLSPRLCKPNTKEVGVQVSPRV
DKAVQCSLGPRTLSSCSPWDGRDPQEPLPACGV
TSPATGRRGLIRLRDGDDEASKALPGPAEASQ
PQPPSRRSGADRQEEPGQLEESGEKDAPCPQET
KSKQVPGDAASEPLRRPNFQFLEPKYGYFHCKD
CKTRWESAYVWCISG¹TNKVYFKQLCCKCQKSFN
PYRVEAIQCQTC²SKSHCSC³PQKKRHI⁴DLRRPHR
QELCGRCKDKRF⁵SCGNIYSFKYVM

(B) Alignment between ZAR1 and ZAR2 protein amino acid sequences

hZar1	MAALGDEVLDGYVFPACPPCSYRYPYPAATKKGGAAGGSWQQRGRGCLPASSECSAGAAS	60
hZar2	-----MERFVRVPYGLYQGYGSTVPLGQPGLSGHKQPDWR--QNMGPPTFLARP	48
hZar1	LSFPFGCRLTAAEYFDSYQERELMALLAQVGPGLGPRARRAGSCDVAVQVSPRIDAAVQC	120
hZar2	LLVEAN---APDYCIDPYKRAQLKAILSQMNPSLSPRLCKPNTKEVGVQVSPRVDKAVQC	105
hZar1	SLGRRTLQRRARDPESPAFGAEGTTGGGSFSQQPSRRGLEQGSFQNGAPRPMRFPRTV	180
hZar2	SLGPRTLSSCSPWDGRDPQEPLPACGV-----SCSPWDGRDPQEPLP-ACG	131
hZar1	VYSPLALRRLTAFLEGPSPAAGEQRSGASDGERGPPPARLQGPPEEGEVWTKKAFRRPQSD	240
hZar2	VTSPATGRRGLIRLRDGDDEASKALPGPAEASQPPQ-----PSRRSGA	175
hZar1	DDGEAQAAVRASWEQPADGPELPPREAQEGEAAPRSALRSFGQPPSAGRARDGGDGREAA	300
hZar2	DRQEEPGQLEESGEKDAPCPQETKSKQVPGDAASEPLRRP-----	215
	Zinc Finger #1	
hZar1	VAGEGSPSRPELGKERLRFQFLEQKYGYHCKDCNIRWESAYVWCVQGTNKVYFKQFCR	360
hZar2	-----NFQFLEPKYGYFHCKDCKTRWESAYVWCISG ¹ TNKVYFKQLC	257
	Zinc Finger #2	
hZar1	TCQKSYNPFYRVEDITCQSCQKQTRCSCPVKLRHVDPKRPHRQDLCGRC ⁶ KGKRLSCDSTFSF	420
hZar2	KCQKSFNPFYRVEAIQCQTC ² SKSHCSC ³ PQKKRHI ⁴ DLRRPHRQELCGRCKDKRF ⁵ SCGNIYSF	317
hZar1	KYII 424	
hZar2	KYVM 321	