

10 20 30 40 50 60 70
M. musculus CIC-S MYSAHRPLIPASGAASRGLGMFVWTVNEPRSVAVFPWHSILVPPFLAPSQDPDSVQVQSEAOQPASHHPVANSQSKPEAESAA
H. sapiens CIC-S MYSAHRPLMPASSAASRGLGMFVWTVNEPRSVAVFPWHSILVPPFLAPSQDPDSVQVQSEAOQPASHHPVANSQSKPEAESAA
Consensus MYSAHRPL PAS AASRGLGMFVWTVNEPRSVAVFPWHSILVPPFLAPSQDPDSVQVQSEAOQPASHHPVANSQSKPEAESAA

90 100 110 120 130 140 150 1
M. musculus CIC-S AHEQPPGGTGGADPGRPPGAVCPESP GPGPPLTLGGVDPGKSLPPTTEEEA GPPGEPRLDSETESDHDDAFLSIMSPE
H. sapiens CIC-S AHERPPGGTGSADPERPPGATCPESP GPGPPHPLGVVESGK GPPPTTEEEA ASGPPGEPRLDSETESDHDDAFLSIMSPE
Consensus AHE PPGGTG ADP RPPGA CPESP GPGPP LG V GK PPTTEEEA GPPGEPRLDSETESDHDDAFLSIMSPE

170 180 190 200 210 220 230 2
M. musculus CIC-S QLPLPPGKRRQTQSLSALPKERDSSSEKDRSPNKRERDHIRRPMNAFMIFSRHRALVHQRHPNQDNRTVSKILGEWWY
H. sapiens CIC-S QLPLPPGKRRQTQSLSALPKERDSSSEKDRSPNKRERDHIRRPMNAFMIFSRHRALVHQRHPNQDNRTVSKILGEWWY
Consensus QLPLPPGKRRQTQSLSALPKERDSSSEKDRSPNKRERDHIRRPMNAFMIFSRHRALVHQRHPNQDNRTVSKILGEWWY

250 260 270 280 290 300 310 3
M. musculus CIC-S LGPK EKQKYHDLAFQVKEAHFKAH PDWKCND RKKSSSEAK PASLGLAGGH ETRERSMSETGTAAAPGVSS ELLSVA
H. sapiens CIC-S LGPK EKQKYHDLAFQVKEAHFKAH PDWKCND RKKSSSEAK P TSLGLAGGH ETRERSMSETGTAAAPGVSS ELLSVA
Consensus LGPK EKQKYHDLAFQVKEAHFKAH PDWKCND RKKSSSEAK P SLGLAGGH ETRERSMSETGTAAAPGVSS ELLSVA

330 340 350 360 370 380 390 4
M. musculus CIC-S QTLSSD TKVPGSGPCGAERLHAVGAPGSARPRAFSHSGVHSLDGG EVD SQALQELTQMVSGPASYS GPKPSPQY GAGP
H. sapiens CIC-S QTLSSD TKAPGSSSCGAERLHTVGGPGSARPRAFSHSGVHSLDGG EVD SQALQELTQMVSGPASYS GPKPSTQY GAGP
Consensus QTLSSD TK PGS CGAERLH VG PGSARPRAFSHSGVHSLDGG EVD SQALQELTQMVSGPASYS GPKPS QY GAGP

410 420 430 440 450 460 470 4
M. musculus CIC-S FAAPGEGGTLATSGRPPLLPSRASRSQRAASEDMTSD EERMVIC EEEGDDDDVIADDFGTTDIDLKCK ERVTDSESGDS
H. sapiens CIC-S FAAPGEGGALAA TGRPPLLPTRASRSQRAASEDMTSD EERMVIC EEEGDDDDVIADDFGTTDIDLKCK ERVTDSESGDS
Consensus FAAPGEGG LA GRPPLLP RASRSQRAASEDMTSD EERMVIC EEEGDDDDVIADDFGTTDIDLKCK ERVTDSESGDS

490 500 510 520 530 540 550 5
M. musculus CIC-S GEDPEGNKGFGRKVFSPVIRSSFTHCRP LLDPEPPGPPDPPA AFSGY GPTPSS-SSSPASTSVSVSTSFSLGSGTFK
H. sapiens CIC-S GEDPEGNKGFGRKVFSPVIRSSFTHCRP LLDPEPPGPPDPPVAFGKYGSAPSSSASSPASSASAA TSFSLGSGTFK
Consensus GEDPEGNKGFGRKVFSPVIRSSFTHCRP LLDPEPPGPPDPP AF KGYG PSS SSPAS S S TSFSLGSGTFK

570 580 590 600 610 620 630 6
M. musculus CIC-S ESGQGSTAVPLRPPPPGAGGPATPSKATRF PPTDSATFRR RPE SVGSLEAPGPSVIAAPP SGGGNLLQTLVLP PPKED
H. sapiens CIC-S ESGQGSTAGPLRPPPPGAGGPATPSKATRF LMPDPATFRR RPE SVGGLEPPGPSVIAAPP SGGGNILQTLVLP PPKEE
Consensus ESGQGSTA PLRPPPPGAGGPATPSKATRF P D ATFRR RPE SVG LE PGPSVIAAPP SGGGN LQTLVLP P KE

650 660 670 680 690 700 710 7
M. musculus CIC-S EG--TRVPSAPAPPLAYGAPAAPLCRPAATMVTVRVPVSSTPVPIASKPFPTSGRAEASSNDIAGARTEMGTGSRVPG
H. sapiens CIC-S EGGGARVPSAPAPSLAYGAPAAPLSRPAATMVTVRVPVSSTPVPIASKPFPTSGRAEASPNDTAGARTEMGTGSRVPG
Consensus EG RVPSAPAP LAYGAPAAPL RPAATMVTVRVPVSSTPVPIASKPFPTSGRAEAS ND AGARTEMGTGSRVPG

730 740 750 760 770 780 790 8
M. musculus CIC-S SPMGVSLVYSDKKSAAAATSPAPHLVAGP LLGTVGKAPATVTVNLLVGT PGGYAPASPAVQFIAQGAPGSATPAGSGAST
H. sapiens CIC-S SPLGVSLVYSDKK-SAAAATSPAPHLVAGP LLGTVGKAPATVTVNLLVGT PGGYAPAPPVQFIAQGAPGGGT TAGSGAGA
Consensus SP GVSILVYSDKK AAATSPAPHLVAGP LLGTVGKAPATVTVNLLVGT PGGYAPA PAVQFIAQGAPG T AGSGA

810 820 830 840 850 860 870 8
M. musculus CIC-S SGPNGVPVPLGILQPGALGKAGGITQVQYILPTLPQQLQVAPAPAPAGTKAAAPS GPAPTTSIRFTLPPGTSTNGKVLAI
H. sapiens CIC-S SGPNGVPVPLGILQPGALGKAGGITQVQYILPTLPQQLQVAPAPAPAGTKAAAPS GPAPTTSIRFTLPPGTSTNGKVLAI
Consensus SGPNGVPVPLGILQPGALGKAGGITQVQYILPTLPQQLQVAPAPAPAGTKAAAPS GPAPTTSIRFTLPPGTSTNGKVLAI

890 900 910 920 930 940 950 9
M. musculus CIC-S TAPTAGIPILQSVPSAPPPKAQSVSPVQATPSGGSAQLLPGKVLVPLAAPSMSVRGGGAGQPLPLVSSPFSVPVQNGAQ
H. sapiens CIC-S TAPTGPILQSVPSAPPPKAQSVSPVQAPPPGSAQLLPGKVLVPLAAPSMSVRGGGAGQPLPLVSPFPFSVPVQNGAQ
Consensus TAPT GIPILQSVPSAPPPKAQSVSPVQA P GSAQLLPGKVLVPLAAPSMSVRGGGAGQPLPLVS PFSVPVQNGAQ

970 980 990 1000 1010 1020 1030 10
M. musculus CIC-S PSKIIQLTPVPVSTPSGLVPP LSPATMPGPTSQPOK VLLPSSTRITYVQSAGGHTLPLGTSSACSQTGTVTTSYGPTSSV

H. sapiens CIC-S
Consensus

PSKIIQLTPVPVSTPSSGLVPPPLSPATLPGPTSQPQKVVLLPSSTRITYVQSAGGHALPLGTSPASSQAGTVTSYGPTSSV
PSKIIQLTPVPVSTPSSGLVPPPLSPAT PGPTSQPQKVVLLPSSTRITYVQSAGGH LPLGTS A SQ GTVTSYGPTSSV

1050 1060 1070 1080 1090 1100 1110 1120

M. musculus CIC-S
H. sapiens CIC-S
Consensus

LGFTSLGSPGPAFVQPLLSSG-QAPLLAPGQVGVSPVPSQLPPACTASGGPVITAFYPGSPAPTS-APLGPPSQAPPSLI
LGFTSLGSPGPAFVQPLLSSAGQAPLLAPGQVGVSPVPSQLPPACAAPGGPVITAFYSGSPAPTSSAPLAQPSQAPPSLI
LGFTSLGSPGPAFVQPLLS QAPLLAPGQVGVSPVPSQLPPAC A GGPVITAFY GSPAPTS APL PSQAPPSLI

1130 1140 1150 1160 1170 1180 1190 1200

M. musculus CIC-S
H. sapiens CIC-S
Consensus

YTVATSTTPPAATILPKGPPASATATPAPTSFFPSATG-SMTYSLVAPKAQRPSPKAPQKVKAASIPVGSFESGTTG
YTVATSTTPPAATILPKGPPAPATATPAPTSFFPSATAGSMTYSLVAPKAQRPSPKAPQKVKAASIPVGSFEAGASG
YTVATSTTPPAATILPKGPPA ATATPAPTSFFPSAT SMTYSLVAPKAQRPSPKAPQKVKAASIPVGSFE G

1210 1220 1230 1240 1250 1260 1270 1280

M. musculus CIC-S
H. sapiens CIC-S
Consensus

PGSTPRQSSDSGVAREPAAPESELEGGQTPPPAPPPPTETWPPPTARSSPPPLPAEERPGTKGPE-TASKFPSSSSDWRV
PGPAPRQPLEPGPVREPTAPESELEGGQTPPPAPPPLEETWPTARSSPPLPPPAEERTSAKGPETMASKFPSSSSDWRV
PG PRQ G REP APESELEGGQTPPPAPPP ETW P TARSSPP P PAEER KGPE ASKFPSSSSDWRV

1290 1300 1310 1320 1330 1340 1350 1360

M. musculus CIC-S
H. sapiens CIC-S
Consensus

GLGLESRGEPPTPPSPAPATGPPSGSSSSGSESSGRAAGDTPPEREVTSSGKMKVRRPPPLKKTFFDSVDNRVLSEVDFE
GQGLENRGEPPTPPSPAPA--PAVAPGSSSESSGRAAGDTPPEREAAAGTGKMKVRRPPPLKKTFFDSVDNRVLSEVDFE
G GLE RGEPPPTPPSPAPA P GSSE SSGRAAGDTPPERE GKK KVRPPPLKKTFFDSVDNRVLSEVDFE

1370 1380 1390 1400 1410 1420 1430 1440

M. musculus CIC-S
H. sapiens CIC-S
Consensus

RFAELPEFRPEEVLPSPTLQSLATSPRAILGSYRKRNRNSTDLDSAPEDPTSPRKMRRRSSCSSEPNTPKSAKCEGDI
RFAELPEFRPEEVLPSPTLQSLATSPRAILGSYRKRNRNSTDLDSAPEDPTSPRKMRRRSSCSSEPNTPKSAKCEGDI
RFAELPEFRPEEVLPSPTLQSLATSPRAILGSYRKRNRNSTDLDSAPEDPTSPRKMRRRSSCSSEPNTPKSAKCEGDI

1450 1460 1470 1480 1490 1500 1510 1520

M. musculus CIC-S
H. sapiens CIC-S
Consensus

TFDRTGTEEDVLEGELEYKVPYSSLRRTLDQRRALVMQLFQDHGFFPSAQATAAFQARYADIFPSKVCLQKIREVRQ
TFDRTGTEAEDVLEGELEYDKVPYSSLRRTLDQRRALVMQLFQDHGFFPSAQATAAFQARYADIFPSKVCLQKIREVRQ
TFDRTGTE EDVLEGELEY KVPYSSLRRTLDQRRALVMQLFQDHGFFPSAQATAAFQARYADIFPSKVCLQKIREVRQ

1530 1540 1550 1560 1570 1580 1590 1600

M. musculus CIC-S
H. sapiens CIC-S
Consensus

IMQAATPTEQPPGAEAPLPVPPPTGMAATPVPTPSPAGGPDPTSPSSDSGTAQVAPPLPPPPPEPGPGQPGWEGAPQPSF
IMQAATPTEQPPGAEAPLPVPPPTGTAAPAPTPSPAGGPDPTSPSSDSGTAQVAPPLPPPPPESGPGQPGWEGAPQPSF
IMQAATPTEQPPGAEAPLP PPPTG AA P PTPSPAGGPDPTSP SDSGTAQ APPLPPPPPE GPGQPGWEGAPQPSF

1610

M. musculus CIC-S
H. sapiens CIC-S
Consensus

PSGPSTAATGR
PPGPSTAATGR
P GPSTAATGR