<html><head><style type="text/css"></style></head><body>CLUSTAL 2.1 multiple sequence alignment

humanCLCN5 mouseCLCN5	MAMWQGAMDNRGFQQGSFSSFQNSSSDEDLMDIPATAMDFSMRDDVPPLDREVGEDKSYN MAMWQGAMDNRGFHQGSFSSFQSSSSDEDLMDIPGTAMDFSMRDDVPPLDREIEGNKSYN	60 60
zebrafishCLCN5	MDNTGYCGESFNSLQSGTSDEDLVEIAGATLDFSSTDDVPPLDRDYGSGVSYG	53
humanCLCN5	GG-GIGSSNRIMDFLEEPIPGVGTYDDFNTIDWVREKSRDRDRHREITNKSKESTWALIH	119
mouseCLCN5 zebrafishCLCN5	GG-GIGSSNRVMDFLEEPIPGVGTYDDFNTIDWVREKSRDRDRHREITNKSKESTWALIH AGEGPNGIPKLMDLLDEPVPGVGTYEDFNTIDWVREKSKDRDRHREIAIKSKESTWALLK	
Zebrarranchens	* * . ::**:****************************	113
humanCLCN5	SVSDAFSGWLLMLLIGLLSGSLAGLIDISAHWMTDLKEGICTGGFWFNHEHCCWNSEHVT	179
mouseCLCN5	SVSDAFSGWLLMLLIGLLSGSLAGLIDISAHWMTDLKEGICTGGFWFNHEHCCWNSEHVT	
zebrafishCLCN5	RISDAFSGWLLMLLVGLMSGALAGGIDISAHWMTDLKEGVCLNGFWFNHEHCCWNSNETT :***********************************	1/3
humanCLCN5	FEERDKCPEWNSWSQLIISTDEGAFAYIVNYFMYVLWALLFAFLAVSLVKVFAPYACGSG	239
mouseCLCN5	FEHRDKCPEWNSWAQLIINTDQGAFAYIVNYFMYVLWALLFAFLAVSLVKAFAPYACGSG	
zebrafishCLCN5	FQERDKCPKWKSWAELIVGTNSGPFAYIMNYLMYVSWALLFSFLAVSLVRAFAPYACGSG *:.****::**:.*:.**:*******************	233
humanCLCN5	IPEIKTILSGFIIRGYLGKWTLVIKTITLVLAVSSGLSLGKEGPLVHVACCCGNILCHCF	299
mouseCLCN5	IPEIKTILSGFIIRGYLGKWTLVIKTITLVLAVSSGLSLGKEGPLVHVACCCGNILCHCF	299
zebrafishCLCN5	IPEIKTILSGFIIRGYLGKWTLMIKTITLVLAVSSGLSLGKEGPLVHVACCCANILCHLF ************************************	293
humanCLCN5	NKYRKNEAKRREVLSAAAAAGVSVAFGAPIGGVLFSLEEVSYYFPLKTLWRSFFAALVAA	359
mouseCLCN5	NKYRKNEAKRREVLSAAAAAGVSVAFGAPIGGVLFSLEEVSYYFPLKTLWRSFFAALVAA	359
zebrafishCLCN5	TKYRRNEAKRREVLSAAAAVGVSVAFGAPIGGVLFSLEEVSYYFPLKTLWRSFFAALVAA .***:********************************	353
humanCLCN5	FTLRSTNPFGNSRLVLFYVEFHTPWHLFELVPFTLLGTFGGLWGALFTRTNTAWCRKRKT	419
mouseCLCN5	FTLRSINPFGNSRLVLFYVEFHTPWHLFELVPFIVLGIFGGLWGALFIRTNIAWCRKRKT	419
zebrafishCLCN5	FTLRSINPFGNSRLVLFYVEFHSPWHLLELIPFILLGIFGGIWGAFFIRANIWWCRRRKT	413

humanCLCN5	TQLGKYPVIEVLVVTAITAILAFPNEYTRMSTSELISELFNDCGLLDSSKLCDYENR-FN	478
mouseCLCN5	TQLGKYPVVEVLIVTAITAILAFPNEYTRMSTSELISELFNDCGLLDSSKLCDYENH-FN	478
zebrafishCLCN5	TRLGHYPVLEVLVVTAVTAVLAFPNSYTRMSTSELISELFNDCGLLDSSQLCNYSNVSVT	473
	*:**:********************************	
humanCLCN5	TSKGGELPDRPAGVGVYSAMWQLALTLILKIVITIFTFGMKIPSGLFIPSMAVGAIAGRL	538
mouseCLCN5	TSKGGELPDRPAGVGIYSAMWQLALTLILKIVITIFTFGMKIPSGLFIPSMAVGAIAGRL	
zebrafishCLCN5	KSSSDALPDRPAGPDVYTAMWQLSLALIFKMLITVVTFGMKLPSGLFIPSMAVGAIAGRL .* ****** .:*:**:**:**:*************	533
humanCLCN5	LGVGMEQLAYYHQEWTVFNSWCSQGADCITPGLYAMVGAAACLGGVTRMTVSLVVIMFEL	598
mouseCLCN5	LGVGMEQLAYYHHDWGIFNSWCSQGADCITPGLYAMVGAAACLGGVTRMTVSLVVIMFEL	598
zebrafishCLCN5	LGVGMEQLAYYHHDWVIFRGWCSPGADCITPGLYAMVGATACLGGVTRMTVSLVVIMFEL ************************************	593
humanCLCN5	TGGLEYTVPLMAAAMTSKWVADALGREGTYDAHTRLNGYPFLEAKEEFAHKTLAMDVMKP	658
mouseCLCN5	TGGLEYIVPLMAAAMTSKWVADALGREGIYDAHIRLNGYPFLEAKEEFAHKTLAMDVMKP	658
zebrafishCLCN5	${\tt TGGLEYIVPLMAATMTSKWVADALGREGIYEAHIRLNGYPFLESKEEFSHKTLAMDVMRP}$	653

RRNDPLLTVLTQDSMTVEDVETIISETTYSGFPVVVSRESQRLVGFVLRRDLIISIENAR 718

humanCLCN5

mouseCLCN5	RRNDPLLTVLTQDSMTVEDVETIISETTYSGFPVVVSRESQRLVGFVLRRDLIISIENAR 718	
zebrafishCLCN5	RRSDPPLSVITQDGMNVEEVESLIAETSYSGFPVVVSHESQRLVGFVQRRDLVISIDNAR 713	
	** ** * * * * * * * * * * * * * * * * *	
humanCLCN5	KKQDGVVSTSIIYFTEHSPPLPPYTPPTLKLRNILDLSPFTVTDLTPMEIVVDIFRKLGL 778	
mouseCLCN5	KKQDGVVSTSIIYFTEHSPPMPPYTPPTLKLRNILDLSPFTVTDLTPMEIVVDIFRKLGL 778	
zebrafishCLCN5	QRQEGVVSASRIFFTEYTPPQPPNSPPPLKLRGIMDLSPFTVTDHTAMDIVVDIFRKLGL 773	
	• • * • * * * * * * * * * * * * * * * *	
humanCLCN5	RQCLVTHNGRLLGIITKKDVLKHIAQMANQDPDSILFN 816	
mouseCLCN5	RQCLVTHNGRLLGIITKKDVLKHIAQMANQDPDSILFN 816	
zebrafishCLCN5	RQCLVTHNGRLLGIITKKDILKHMAQMANRDPDSILFN 811	
