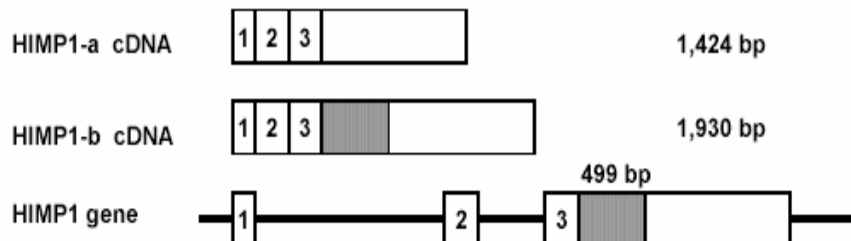


A



B

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HIMP1-a (AY028386) MSTNTDLSLSSYD--EGQGSKFIRKAKETPFVPIGMAGFAAIVAYGLYKLSRGNTKMSI  
 HIMP1-b (AY028387) MSTNTDLSLSSYD--EGQGSKFIRKAKETPFVPIGMAGFAAIVAYGLYKLSRGNTKMSI  
 Murine (BC005568) MSANKGWVVP-EGEDNLSKFLRKTRESPLVPIGVAGCLVIAAYRIYRLKARGSTKLSI  
 Rattus (BC059118) MSTNTDLSLSSYD--EGQGSKFIRKAKETPFVPIGMAGFAAIVAYGLYKLSRGNTKMSI  
 Homo (AF077034) MSTDTGVSLSPE--EDQSKLIRKAKEAPFVPIGVAGFAAIVAYGLYKLSRGNTKMSI  
 Xenopus (AB095361) MAQPGDV-LPTYDMSDSQTSKLRKSKESPFPVPIGMAGFAAVVAFGLFKLSRGNTKMSV  
 Pagrus (AY190748) MS--S-----Y---EDNESKFMKAKENPFVPIGMAGFFAIVGYRLMKMRGDTKMSV  
 Gillichthys (AF266206) MS-LD-----Y---EENQSKFMKAKENPFVPIGVITGFLGIVAYQLMKMKHRGNVMSV  
 Danio (AB094785) MSDIG-----Y---EDNESKLMRKIKQNPFPVPMAGFFAIVAYRLFKLKSRGDTKMSV  
 Seriola (AB067686) MT--A-----Y---DENESKLMRKVKENPFVPIGVAGFFAIVGYRLMKMKNRGDTKMSV  
 Drosophila (NM\_169383) MSSK---SLFDSEEDAAQANKLSRKAKESPFLVIGITGFVAAGLIGAYKYRNRGTMSTSV

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		(N)	Identity (%)
HIMP1-a (AY028386)	HLIHMVAAQGFVVGAMTLGMGYSMYQEFW-----ANPKPKP	95	(%)
HIMP1-b (AY028387)	HLIHMVAAQGFVVGAMTLGRFIRTFKFLFL-----IDAFYKAT	99	84.2
Murine (BC005568)	HLIHTRVAAQACAVGAIMLGAMYTYRDIYIKRVSEDA-----EK	98	44.8
Rattus (BC059118)	HLIHMVAAQGFVVGAMTLGMGYSMYQEFW-----A--KRKP	93	96.8
Homo (AF077034)	HLIHMVAAQGFVVGAMTVGMGYSMYREFW-----A--KPKP	93	86.0
Xenopus (AB095361)	HLIHMVAAQGFVVGAMTCVLYSMYKEYL-----AKP-SEH	95	65.3
Pagrus (AY190748)	HLIHMVAAQGFVVGAMTLGVIYTYRDFVVKPRE-----QQKAAEPK	92	63.0
Gillichthys (AF266206)	HLIHMVAAQGFVVGAMTMGVIYSMYRDIYIAHPSEEK-----DE	90	61.1
Danio (AB094785)	HLIHMVAAQGFVVGAMTLGVIYSMYNEYILKPAEAQKALEQKALEKK	99	60.0
Seriola (AB067686)	HLIHMVAAQGFVVGAMTVGLYSMYRDFIVKPRE-----EQKSMQNK	92	56.5
Drosophila (NM_169383)	FLMQLRVAAQGTVVGCLTLGLAYSMAKEYLF-----DKAPKEK	95	43.2