

Arpin

Homo sapiens:

>NP_872422.1 arpin isoform 1 [Homo sapiens]
MSRIYHDGALRNKAVQSVRLPGAWDPAAHQGGNGVLLEGELIDVSRHSILDTHGRKERYVLYIRPSHIH
RRKFDAGKNEIEPNFSATRRVNTGFLMSSYKVEAKGDTDRLTPEALKGLVNKPELLALTESLTPDHTVAF
WMPSESEMEVMELELGAGVRLKTRGDGPFLDSLAKLEAGVTVKCNFTGDGKTGASWTDNIMAQKCSKGAAA
EI**RCQGSGAG**DEEWDD

Pongo abelii:

>XP_024088103.1 arpin isoform X2 [Pongo abelii]
MSRIYHDGALRNKAVQSVRLPGAWDPAAHQGGNGVLLEGELIDVSRHSILDAHGRKERYVLYILPSHVV
RRKFDAGKNEIEPNFSATRRVNTGFLMSSYKVEAKGDTDRLTPEALKGLVNKPELLALTESLTPDHTVAF
WMPSESEMEVMELELGAGVRLKTRGDGPFLDSLAKLEAGVTVKCNFAGDGKTGASWTDNIMAQKCSGEGAAA
EI**RCQGSGAG**DEEWDD

Mus musculus:

>NP_081696.1 arpin [Mus musculus]
MSRIYQDSALRNKAVQSARLPCTWDDPATHQGGNGILLEGELVDVSRHSILDAHGRKERYVLYIQPSCIH
RRKFDPKGNEIEPNFSATRKVNTGFLMSSYKVEAKGDTDRLTLEALKSLVNKPQLLELTESLTPDQAVAF
WMPSESEMEVMELELGTGVRLKTRGDGPFIDSLAKLELGTVTVKCNFAGDGKTGASWTDNIMAQKSSERNTA
EI**RCQGSGAG**DEEWDD

Gallus gallus:

Not found

Xenopus laevis:

>NP_001087754.1 arpin [Xenopus laevis]
MSRIYQHTALQNKPVHDERFDGSWEPGAQFRGTGVLLEGTLDFSRAVTD SGKKKERYIILYLRPSKIH
RRHFD SKGNEIEPNFSDTKKVNTGFLMSSYKVEAKGESDRISLEELNRLVNKNLMIKSEKHTPRETVAF
WLPEADMEKTELELGEQLRVKTMGDGPFFLSLAKVDSGTVTKCNFAGDAQAGASWTDNIMERKSQNTSAP
SEP**RCQGSGAG**DEEWDD

Salmo salar:

>XP_013979611.1 arpin isoform X3 [Salmo salar]
MSRIYNNTSLQNKPVHNEKIEHAWAPSSYQSGLVILEGKLVDSVRHVITDVNNQKDRFYVLYIKPSRIH
RRKFDAGKMEIEPNFSDTKKVNTGYLMSSFVEAKGETDCLTEVQLENLVTKEDLVKVTGKHCLSGTYAF
WYPEGEMSKTELETGQDIRLKTGDPFFIFSLAKVDGSGTVTKCNFAGDKEAGASWTDKIMSNKSDASSAT
KSEGHGEGADEEWD

Petromyzon marinus:

>XP_032824636.1 arpin [Petromyzon marinus]
MSRIYDNKLEARPLHSETWPRPWEPSAFEQGSGLVLEGLGEISRHVILDSAGAKHRYSVLHVRPERAH
RRCWDTGGREIEPNFSETRLVSTGHLFSSYKCEAKGETDRLSESELRAVAQAKLDSVVGRRHGPQGTLPF
WVAEDDVKKTELELGDRIKIKTRGDSFFVFSLARVDAGTVTRCNFAGDAAAGASWTDKILGVKSGLDAPP
PGASGDGEGAADDEWD

Branchiostoma belcheri:

>XP_019625759.1 PREDICTED: arpin-like isoform X1 [Branchiostoma belcheri]
MLYSTVGRTAGSINFRCAEEGEEQQNTDRPEPKHTEKEQQPTIAIMSRLYDNQPLMSIPVQTHQLTT
VWNPSNYQKGAGVLVEGRIEGRSRHVIIDPSQTKFRYCVLHVHPQAHRRKFDAAGKEVEPNFSDTWKVN
TGYLHSSYKVEARGQTDRLTTEELEAVVMSAELDHLTQQVKRHGCLSFWVQEEELAGMELNTGDNVRLKT
RGDGLFIYNVAQLDGATSQVSNFAGGNMVGASWTEKVMVAKRDQQE**QRDEENQGV**DEEWDD

Drosophila melanogaster:

Not found

Hydra vulgaris:

Not found

Nematostella vectensis:

Not found

Amphimedon queenslandica:

>XP_019858664.1 PREDICTED: arpin-like [Amphimedon queenslandica]
MSRMHMIYDDTLQQEGVKVSKWKSEWNSSQLQSGRGILLEGVFHKKTRHIIQDTSNKKYRFCVFHIEFD
GACQRKFDAGKEIEPNFGQTA KVKTGYLNSSYKTVAKGT PDTLSYAEVCERVHSDLVGFETASHSQSIC
FWGENESYDHVECSFGQRIRLKTRGDSLLIESFTKVLDSQRAHSSNYTGGEKTGQSWTDKVLGHKSTDEP
SQGTGGGGGGVEDDDEWVRIFLSYVLVHCELHLLLF

XP_019858664.1[A.queenslandica]	-----MSRMHMYIDDTLLQQ	15
XP_019625759.1[B.belcheri]	MLYSTVGRTAGSINFRCAEEGEEQQNTDRPEPKHTEKTEQQPTIAMSRLYDNDQPLMS	60
XP_032824636.1[P.marinus]	-----MSRYDNNKLEA	12
XP_013979611.1[S.salar]	-----MSRYNNNTSLQN	12
NP_001087754.1[X.laavis]	-----MSRIYQHTALQN	12
NP_872422.1[H.sapiens]	-----MSRIYHDGALRN	12
XP_024088103.1[P.abelii]	-----MSRIYHDGALRN	12
NP_081696.1[M.musculus]	-----MSRIYQDSALRN	12
	* :.. *	
XP_019858664.1[A.queenslandica]	EGVKVSKWKSEWNSSQLQSGRGLLEGVFHKTRHIQDTSNKKYRCFVHFIEFDGACQR	75
XP_019625759.1[B.belcheri]	IPVQTHQLTTVMNPSNYQKAGVLVVEGRIGRSRHVIIPDSQTKFRYCVLHVHPQAHRR	120
XP_032824636.1[P.marinus]	RLPHSETWPRWEPSAFEGQGGVLLLEGILGESRHVILDSAGAKHRYSVLHVPRHAHR	72
XP_013979611.1[S.salar]	KPVHNEKIEHAWAPSSYQSLGVLLLEGILVDVSRHIVDNNQKDFRYVLVLPKPSIHR	72
NP_001087754.1[X.laavis]	KPVHDERFDGSEWEPAGFRQGTGVLLLEGTLDFSRHVAVTSKGGKKERWYILYLRPSKIHR	72
NP_872422.1[H.sapiens]	KAVQSVRLPGAADWPAAHQGGGVLLLEGELIDVSRHSILDTHGKREYVYLYLRPSHIHR	72
XP_024088103.1[P.abelii]	KAVQSVRLPGAADWPAAHQGGGVLLLEGELIDVSRHSILDAHGKREYVYLYLRPSHVHR	72
NP_081696.1[M.musculus]	KAVQSARLPGTWDPATHQGGGVLLLEGELVDVSRHSILDAHGKREYVYLYLPQSPCIHR	72
	:: * . : * : : : * : : : * : : : * : : : *	
XP_019858664.1[A.queenslandica]	KFDAEGKEIEPNFGQTAKVKTGYLNSSYKTVAKGTPDTLISYAEVCERVHSDLVGE--TA	133
XP_019625759.1[B.belcheri]	KFDAAGKEVEPNFSDTWKVNTGYLHSSYKVEARGQTDRLTTEELAVVMSAELDHLTQQV	180
XP_032824636.1[P.marinus]	CWDTGGRELEPNFSETRLVSTGHLPSSYKCEAKGETDRLSESELRAVAQAQKLDVSVGRH	132
XP_013979611.1[S.salar]	KFDAKGMEIEPNFSDTKVNTGYLMSFPKVEAKGETDCLTEVQLENLVTKDLVKVTGKH	132
NP_001087754.1[X.laavis]	HFDKSGNEIEPNFSDTKVNTGYLMSYKVEAKGESDRLSLEELNRLVNKNVLMKISEKH	132
NP_872422.1[H.sapiens]	KFDAKGNEIEPNFSAIRKVTNGFLMSSYKVEAKGDDTLTPEALKGLVNKPELLALTESL	132
XP_024088103.1[P.abelii]	KFDAKGNEIEPNFSAIRKVTNGFLMSSYKVEAKGDDTLTPEALKGLVNKPELLALTESL	132
NP_081696.1[M.musculus]	KFDKPGNEIEPNFSAIRKVTNGFLMSSYKVEAKGDDTLTLEAKSLVNKQELLETESL	132
	: * * : : : * . * . * . * : : * * * : : : * . * . : : *	
XP_019858664.1[A.queenslandica]	SHSQSICFWGENESYDHVECPGGRIRLKTGRGDSLLIESFTKLDSDQRAHSSNYTGGEKT	193
XP_019625759.1[B.belcheri]	HGGTCLSPFWQEEELAGMELNTGDNVRLKTRGDDGLFIYNVAQLDGT-SQVSNFAGNMV	239
XP_032824636.1[P.marinus]	GPQGTLPFWAADDVKKTELELGDRIIRKTRGDSFFVFSRLARVDAGT-VTRCNFAGDAAA	191
XP_013979611.1[S.salar]	CLSGTYAFWYPEGEMSKTELETGQDRIIRKTRGDPFFISLAKVDGDT-VTKCNFAGDQA	191
NP_001087754.1[X.laavis]	TPRETVAFWLPEADMKTELELGGQLRVKTMGDDGPFISLAKVDGDT-VTKCNFAGDKEA	191
NP_872422.1[H.sapiens]	TPDHTVAFWMPPESEMVMELELGAQVRLKTRGDDGPFILDSLAKLEAGT-VTKCNFTGDGKT	191
XP_024088103.1[P.abelii]	TPDHTVAFWMPPESEMEAMELELGAQVRLKTRGDDGPFILDSLAKLEAGT-VTKCNFAGDGKT	191
NP_081696.1[M.musculus]	TPDQAVAFWMPPESEMVMELELGTGVRLLKTRGDDGPFILDSLAKLEGT-VTKCNFAGDGKT	191
	** : . * . * : * : * : : : : : : : : : * : * . *	
XP_019858664.1[A.queenslandica]	GQSWTDKVLGHKSTDEPSQGTGGGGGGVEYDDDEWVRFLSYVLVHCELHLLLF	246
XP_019625759.1[B.belcheri]	GASWTEKVMVAKRDQGE-- RGDEENQGVDEEWD	272
XP_032824636.1[P.marinus]	GASWTDKILGVKSGLDAPPGASGDEGGADEWD-----	226
XP_013979611.1[S.salar]	GASWTDKIMNSKSDS-SATKSECHGEAGDEEWD-----	226
NP_001087754.1[X.laavis]	GASWTDNIMERKSQNTSAP REGQDGAEEDEWD	227
NP_872422.1[H.sapiens]	GASWTDNIMAQCKSG- AAAEI REGQDGAEEDEWD	226
XP_024088103.1[P.abelii]	GASWTDNIMAQCKSG- AAAEI REGQDGAEEDEWD	226
NP_081696.1[M.musculus]	GASWTDNIMAQCKSSER- NTAEI REGQDGAEEDEWD	226
	* * * : : : * * : : * : : : * : : : *	