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HomoloGene:15399. Gene conserved in Boreoeutheria

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Multiple Sequence Alignment

Generated by MUSCLE [\[see reference\]](#) version 3.6 (using option: -maxiters 2).

NP_853516.1	1	-----MCGRFLRLLAEESRRSTPVGRLLLPVLLGFRLVLLAA	38
XP_001143440.2	1	-----MCGRFLRLLAEESRRSTPVGRLLLPVLLGFRLVLLAA	38
XP_002803266.1		-----	
XP_005621129.1	1	-----MCGSFLRQLLAEDSRHSTAVGHLLLPVLLGFRLVLLAA	38
NP_001076962.1	1	-----MCGSFLRRVAAEESRHPTPVGRLLLPALLGLRLVLLAA	38
NP_536698.2	1	-MLLLELPIKRCMCGRFLRQLLAQESQHSTPVGFRLLPMLMGFRLLILVS	49
XP_006249079.1	1	MDCFLEL-----MCCSFLRQLLAQESQHSTPVGFRLLPVLVGFRLILVS	45

NP_853516.1	39	SGPGVY--GDEQSEFVCHTQQPGCKAACFDAFHPLSPLRFWVFQVILVAV	86
XP_001143440.2	39	SGPGVY--GDEQSEFVCHTQQPGCKAACFDAFHPLSPLRFWVFQVILVAV	86
XP_002803266.1	1	-----HTQQPGCKAACFDAFHPLSPLRFWVFQVILVAV	33
XP_005621129.1	39	SGTGIY--GDEQSEFVCHTQQAGCKAACFDAFHPLSPLRFWAFQVILVAV	86
NP_001076962.1	39	GGTGVFGGEEQSEFVCHTQQAGCKAVCYDAFHPLSPLRFWAFQVTLVAV	88
NP_536698.2	50	SGPGVF--GNDENEFICHLGQPGCKTICYDVFRPLSPLRFWAFQVILMAV	97
XP_006249079.1	46	SGPGVF--GNDENEFMCHLGQPGCKTICYDVFRPLSPLRFWAFQVILMAV	93

NP_853516.1	87	PSALYMGFTLYHVIWHWELSGK-GKEEETLIQGREGNTDVPGAGSLRLLW	135
XP_001143440.2	87	PSALYMGFTLYQVIWHWELSGK-GKEEETLIQGREGNTDVPGAGSLRLLW	135
XP_002803266.1	34	PSALYMGFTLYHVIWHWELSGK-GKEEETLIQGREGNTDVPGAGSLRLLW	82
XP_005621129.1	87	PSTLYMGLILYHVIWRWEESGK-VK-EETLIHQEKSRDASGAGSPRLLW	134
NP_001076962.1	89	PSALYMGFILYHVIWHWEASEK-VKTEEETLSQGEKGGEASRAGSSRLLW	137
NP_536698.2	98	PSAIYVAFTLYHVIGYWEVPGKENKEQETQISKGDHSDVSGAKSLKLLW	147
XP_006249079.1	94	PSAIYVAFTLYHVIGYWEVPGR-NKEQEAQICKGGRCKDVSGAMSLKLLW	142

NP_853516.1	136	AYVAQLGARLVLEGAALGLQYHLYGFQMPSSFACRREPCLGSITCNLSRP	185
XP_001143440.2	136	AYVAQLGARLVLEGAALGLQYHLYGFQMPSSFACRREPCLGSITCNLSRP	185
XP_002803266.1	83	AYVAQLGARLVLEGTALGLQYHLYGFQMPSSFACRREPCLGSITCHLSRP	132
XP_005621129.1	135	AYVAQLGVRLVLEGAALGLQYHLYGFKIPSSFACRREPCLGSITCYLSRP	184
NP_001076962.1	138	AYVAQLGVRLALEGAALGGQYHLYGFRMPSSFVCRLEPCLGSTNCYLSRP	187
NP_536698.2	148	AYVAHLGVRLALEGAALGVQYNLYGFKMSSTFICREDPCIGSTTCFQSHP	197
XP_006249079.1	143	AYVAHLGVRLVLEGAALGVQYHLYGFKMPSTFICREDPCIGSTTCFQSHP	192

NP_853516.1	186	SEKTIFLKTMTFGVSGFCLLFTFLELVLLGLGRWWRTWKHKSSSSKYFLTS	235
XP_001143440.2	186	SEKTIFLKTMTFGVSGFCLLFTFLELVLLGLGRWWRTWKHKSSSSKYFPTS	235
XP_002803266.1	133	SEKTIFLKTMTFGVSGFCLLFTFLELVLLGLGRWWRTWKHKPSSSKYFPTS	182
XP_005621129.1	185	FEKTIFLKTMTFGVSGCLLFTLVELLVLLGLGKWWRTWKHK-SPSNYSSTS	233
NP_001076962.1	188	SEKSIFLKTMTFGVTGLCLLFTLLELVLLGLGRWWRIWRHKSPSNYSPTS	237
NP_536698.2	198	SEKTIFLNIMFGISGACFLFIFLELALLGLGRFWRIYKHKLSFLKKLPTS	247
XP_006249079.1	193	SEKTILLNTMFGISGACLLFIFLELVLLGLGRVWKTYRHKLPFLKLNSTS	242

NP_853516.1	236	ESTRRHKKATDSLPPVETKEQFQEAVPGRSLAQEKQRPVGPRDA	279
XP_001143440.2	236	ESTRRHKKATDSLPPVETKEQFQEAVPGRSLAQEKQRPVGPRDA	279
XP_002803266.1	183	ESTRRHKEATDSLPPVETKEQFQEAVPGRSSAQEKQRPVGPRDA	226
XP_005621129.1	234	ESTKKHKDPTDNFPVEAKEQFQEA-----EL	260
NP_001076962.1	238	QSAKRCKAPTDNFPVEIRERPGEAGERGSEVPLSARP-----	275
NP_536698.2	248	ESSVRSKDTTDELSVVEAKEPF-----	269
XP_006249079.1	243	ERSVRHKDTTDDLSVVETKEPF-----	264

Protein Acc.	Gene	Organism
NP_853516.1	GJC3	H.sapiens
XP_001143440.2	GJC3	P.troglodytes
XP_002803266.1	LOC100424576	M.mulatta
XP_005621129.1	GJC3	C.lupus

NP_001076962.1	GJC3	B.taurus
NP_536698.2	Gjc3	M.musculus
XP_006249079.1	Gjc3	R.norvegicus