

gi|6754640|ref|NP_034896.1| MGSK-ELLKEEDFLGSEDRAFDQA--MFPVMEITFEINDPVPKRRNGGTFMAMVAIHILLITAGTALLLIIOVLNLQEQIQ--MLEMCCNGSLAIEBKPFPS-LQWA-PKTHLVPRAGLQALQACLQSWVHTSQQLRQVFNLTQNP 150
gi|109512900|ref|XP_346123.3| MGSK-ETLKEEAFGLGSEDGADFDQD--MLPVMETFEINDPVPKRRNGRTLCAVMAIHILLITAGTALLLIIOVLNLQEQIQ--SLEMCCDNGTLAAEDKPFPS-LOWARPKTHIVSQAQGLQALQACLQSWVHTSQQLRQVFNLTQNP 150
gi|5803080|ref|NP_006761.1| MRNK-KILKEDELLSET-QQAAFHQ-----IAMEPFEINVPKPKRRNGVNFSLAVVVIYLILLITAGAGLLVVOVLNLQARLR--VLEMYFLNDTLAAEDSPFSLLQSAHPGEHLAQGASRLQVLAQLQWVRSHEHLLORVDNFTQNP 150
gi|55608762|ref|XP_515756.1| MRNK-KILKEDELLSET-QQAAFHQ-----IAMEPFEINVPKPKRRNGVNFSLAVVVIYLILLITAGAGLLVVOVLNLQARLR--VLEMYFLNDTLAAEDSPFSLLQSAHPGEHLAQGAWRLQVLAQLQWVRSHEHLLORVDNFTQNP 150
gi|73984183|ref|XP_533324.2| MENK-EILKEEFLAETGRIQAVNQL--MFPAMEAFEINDPKPKRRNGVNFMLVAVIYLILLITAGAGLLVVOVLNLQARLR--AIIEHTHTGLAAEDSPFSLLQSMPIPHLTGGTTLQVLAQLQITQVRIKQHLLRQVDFNTRSP 150
gi|46048900|ref|NP_990067.1| MKIK-DRCRGDQNSDMSTFSISDKAGFASAAITTFHISBPRIQRKBPSTCCARALVIVLILLITAGQVLLAYKVKMKEMLKQENTAPHAEMIGRSYADNLIILKNFTERGMGRENNRRHLEKBITVIKESNANLMMMSNITLLA 150
gi|189523739|ref|XP_700280.3| METEVDDFPKASIFQVNVPLYSNNMKLCEAERYDFQHSHPKTMKSASRKHCVPLLILLFLLLIQLNSFLAYKVFTEAWVHL--HCTSAQNHLETSASSFQLGSSKNEVECFDLCGTDGTLHLRQINQLNATAKKAIVCPGPPGPP 150
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150



gi|6754640|ref|NP_034896.1| ELFRIKGERGSPG---PKGAPGAPGIPGLPGPAAEKGEKGAAGRDGTPGVQGPQPPGSKGEAGLQGLTGAPGKQGATGAPGPRGEKSGKDGITGLTPKGEHGTGDKGDLGLPGNKGDMGMKGDTPMPSGPAQGGKDGAKPGLPGLA 300
gi|109512900|ref|XP_346123.3| ELFRIKGERGSPG---PKGAPGAPGIPGLPGPAAEKGEKGAAGRDGTPGVVGRGPPGPKGEAGLQGLTGAPGKQGADGAPGQGEKSGKDGKGLTPKGEHGTGDKGDLGLPGSKGDTGMKGDRTVTPSPAQGNKGDAGKPLPGLA 300
gi|5803080|ref|NP_006761.1| GMFRIKGEQGAAPGLQGHKGMAMPGAPGPPGPAEKGAAGRDGATGSPGQPPGPKGEAGLQGLTGAPGKQGATGTPGQGEKSGKDGGLIGPKGETGTGKGEKDLGLPGSKGDRGMKGDAGVMGPPGAQSGKDFGRPGPPGLA 300
gi|55608762|ref|XP_515756.1| GMFRIKGEQGAAPGLQGHKGMAMPGAPGPPGPAEKGAAGRDGATGPPGQPPGPKGEAGLQGLTGAPGKQGATGTPGQGEKSGKDGGLIGPKGETGTGKGEKDLGLPGSKGDRGMKGDAGVMGPPGAQSGKDFGRPGPPGLA 300
gi|73984183|ref|XP_533324.2| ELFRIKGER-----GTPGPPGLQPPGPKGEAGLQGLTGAPGKQGATGTPGQGEKSGKDGGLIGPKGEKGDGLGLPGSKGDRGMKGDTPVMGPPGAQSGKDFGRPGPPGLA 300
gi|46048900|ref|NP_990067.1| GRPCHKGER-----GPPGLQPPGPKGEAGLQGLTGAPGKQGATGTPGQGEKSGKDGGLIGPKGEKGDGLGLPGSKGDRGMKGDTPVMGPPGAQSGKDFGRPGPPGLA 300
gi|189523739|ref|XP_700280.3| GSNGLPGFPQKQ---LPGSPGRVGEPAAPQKQGTGDPGPKGERGMVGFPPGAPGRKGDSEGRGLQGLTGNDGSPQDGRTPGQGMPPSGSQGKGDGPPGLKGERGDPGPPGTPGQSSGARGLQGIPEKESPPGKDTG-VGLQ 300
.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300



gi|6754640|ref|NP_034896.1| GSPGVKGDQKPGVQGVVPGPQAPGLS GAKGEPGRTGLPGPAGPPGIAGNPGIAGVKGSKGDTGIG-----GQKGTKGESGV-----PGLVGRKGDTPGSPGLAGPKGEPGRVQKGDPMKGSQGGQKGEKQK--GESFQVRVIMG 450
gi|109512900|ref|XP_346123.3| GSPGAKGDQKLVQVQPPGPPGAPQSGAKGEPGRTGPPGPTGPPGIAGNPGAAGLKGSKGDIIGI-----GQKGTKGESGV-----PGLVGRKGDTPGSPGLAGPKGEPGRAGLKGEPGMKGSQGGQKGEKQK--GDFNLVVRIVG 450
gi|5803080|ref|NP_006761.1| GFPAGKGDQGPGLQGVVPGPPGAVGHPGAKGEPGAGSAGSPGRAGLPGSPGSPGATGLKGSKGDITGLQ-----GQQRKGESGV-----PGPAGVKGEQSGPLAGPKGAPQAGQKGDQGVKGSQGGQKGEKGER--GENSVSVRIVG 450
gi|55608762|ref|XP_515756.1| GFPAGKGDQGPGLQGVVPGPPGAVGHPGAKGEPGAGSAGSPQOAGLPGSPGSPGATGLKGSKGDITGLQ-----GQQRKGESGV-----PGPAGVKGEQSGPLAGPKGAPQAGQKGDQGVKGSQGGQKGEKGER--GENSVSVRIVG 450
gi|73984183|ref|XP_533324.2| GFPPTKGDQGPGEKGLPAGPTAGSPGAKGEPGATGSPGLAGPGRPGSPGTPGKNGSKGEPGLQ-----GQKGTKGESGV-----PGPAGMKGEMGSPLEGPRGASGLKQKGEPMKMG-----ESLVNVRIVG 450
gi|46048900|ref|NP_990067.1| GPAGERPPGPPGPPSS-PQKGEKDLGPRGFPVAGSLGPKGEKDRGVPVTEQKGIKQDQGLP-----GQQPTGKGS-----KDYKSKGLKGEPLGKAKGDKGYGPPPTKGSKGEQ-----GQYFNVRIVG 450
gi|189523739|ref|XP_700280.3| GPTGQDQKQGSQVPGVPGARGANGKDRGLS GVKGDPGLKGERGDQGPPTGPPGSGARGLQGITPGGKGSFPGPKGDTGVGLRGLTQDQKQSGQLPPVPGARGANGKDRGLS GQKGEKGDAGKASGQVRLVG 450
.....310.....320.....330.....340.....350.....360.....370.....380.....390.....400.....410.....420.....430.....440.....450



gi|6754640|ref|NP_034896.1| GINRGRAEVYYNNEWTICDDDDWNNDAIVFCRMLGYSRGRALSSYGGGSGNIWLDNVCNRCCTENSLWDCSKNSWGNHNCVHNEDAGVECS- 542
gi|109512900|ref|XP_346123.3| GTSRGRAEVYYNNEVWTICDDGWDNNDATVFCRMLGYSRGRALSSYGGGSGNIWLDNVCNRCCTENSLWDCSKNSWGNHNCNHNEDAGVECR- 542
gi|5803080|ref|NP_006761.1| SSNRGRAEVYYSGTWGTICDDEWQNSDAIVFCRMLGYSKGRALYKVGAGTQIWLNDNVQCRCTESTLWNSCTKNWGHHDCSHEDAGVECSV 542
gi|55608762|ref|XP_515756.1| SSNRGRAEVYYSGIWTICDDEWNNSDAIVFCRMLGYSKGRALYKVGAGTQIWLNDNVQCRCTESTLWNSCTKNWGYHDCSHEDAGVECSV 542
gi|73984183|ref|XP_533324.2| ITRRGRAEVYYNGVWGTICDDDDWNSDAIVFCRMLGYSRGTALFSMPPTGTIWLNDNVACQCTEGSLNSCNKNSWGSNCHNSHEDAGVECS 542
gi|46048900|ref|NP_990067.1| GRRGRVEIFHQSGWGTICDDDDWQDASVCRMMGNRAISAYTASGSGQIWLNDNVECRNHEHIVYECNREWGLNCHNSHEDAGVECV 542
gi|189523739|ref|XP_700280.3| SSRRGRVEVYQNVWGTICDDSFDDLDALVFCRMLGYSRGTSTQVYTD--GSGRIWLDDELRCCTESTSIFNCPHAGMGINNCGHGEDVGVSCA- 542
.....460.....470.....480.....490.....500.....510.....520.....530.....540..

