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<html><head><style type="text/css"></style></head><body><pre style="word-wrap: break-word;
white-space: pre-wrap;">CLUSTAL 2.1 multiple sequence alignment

humanDPM1      MASLEVSRSPPRRSRRELEVRSPRQNKYSVLLPTYNERENLP-LIVWLLVKSFSESGINYE  59
mouseDPM1      MASTGASRSLAASPRPPQGRSSRQDKYSVLLPTYNERENLP-LIVWLLVKSFSESAINYE  59
zebrafishDPM1  MAS---RRSNAKSR-----DKPDKYSVLLPTYNERENLP-LIVWLLVKYFGESGYNYE  49
drosophilaDPM1 MPT-----NGHKYSILMPTYNEKDNLP-IIIWLIVKYMKASGLEYE  40
celegansDPM1   MTS-----TPKYSIILPTYNEKENLP-ICIWLIENYLKE--VSHE  37
yeastDPM1      -----MSIEYSVIVPAYHEKLNKPLTTRLFAGMSPEMAKTE  38
               :*:::*:*:*: *:  :   *:               . *

humanDPM1      IIIIDDGSPDGTTRDVAEQLEKIYGSDRILLRPREKKLGLGTAYIHGMKHATGNYIIIMDA 119
mouseDPM1      IIIIDDGSPDGTREVAEQLAIEIYGPDRILLRPREKKLGLGTAYIHGIKHATGNYVIIMDA 119
zebrafishDPM1  IIVIDDGSPDGTLQIAEQLOKIYGADKILLRPRAEKLGLGTAYIHGIKHATGNFVIIMDA 109
drosophilaDPM1 VIVIDDGSPDGTLDVAKDLQKIYGEDKIVLRPRGSKLGLGTAYIHGIKHATGDFIVIIDA 100
celegansDPM1   VIIVDASPDGTQGIAKLLQKEYGDDKILIKPRVGKLGLGTAYSHGLSFARGEFIILMDA  97
yeastDPM1      LIFVDDNSQDGSVEEVDALAHQGYNVRIIVRTNER--GLSSAVLKGFYEAKGOYLVCMDE  96
               :*.:** * **:   .. * .   :*:::..   **.:*  *:  * *:::: :**

humanDPM1      DLSHHPKFIPEFIRKQKEGNFDIVSGTRYKGNNGGVYG-WDLKRKIIISRGANFLTQILLRP 178
mouseDPM1      DLSHHPKFIPEFIRKQKEGNFDIVSGTRYKGNNGGVYG-WDLKRKIIISRGANFITQILLRP 178
zebrafishDPM1  DLSHHPKFIPEFIEKQKEGGYDLVSGTRYRGDGGVYG-WDLRRKLISRGANFVTQVLLRP 168
drosophilaDPM1 DLSHHPKFIPEFIKLQOEGNYDIVSGTRYAGNGGVFG-WDFKRKLISRGANFLSQVLLRP 159
celegansDPM1   DLSHHPKFIPEMIALQHKKYKLDIVTGTRYKDGGGVSG-WDLKRKTISKGANFLAQFLLNP 156
yeastDPM1      DLQHPPETVTPKLFESLHDHAFTLG--TRYAPGVGIDKDWPMYRRVISSTARMMARPLT-I 153
               **. * *: :*:::   :.   :   ***   . *:   * : *: ** *.::: *

humanDPM1      GASDLTGSFRLYRKEVLEKLEKCVSKGYVFQMEMIVR---ARQLNYTIGEVPISFVDRV 235
mouseDPM1      GASDLTGSFRLYRKEVLQKLEKCVSKGYVFQMEMIVR---ARQMNYTIGEVPISFVDRV 235
zebrafishDPM1  GASDLTGSFRLYKKEVLEKLVEQCVSKGYVFQMEMIVR---ARQLGYTIGEVPISFVDRV 225
drosophilaDPM1 NASDLTGSFRLYKKDVLEKCIASCVSKGYVFQMEMLVR---ARQHGYTIAEVPITFVDRI 216
celegansDPM1   GVSDLTGSFRLYKRDILSKLIAESVSKGYVFQMEMMFR---AKKSGYRIGEVPISFVDRF 213
yeastDPM1      ASDPMSGFFGLQKKYLENCNPRDINSQGFKIALELLAKLPLPRDPRVAIGEVPTFTGVRT 213
               . ::* * * :: : .   .   :*: : :*: : :   :..   *.****:* *

humanDPM1      YGESKLGGNEIVSFLKGLLTLFATT----- 260
mouseDPM1      YGESKLGGNEIVSFLKGLLTLFATT----- 260
zebrafishDPM1  YGESKLGGNEIVSFLKGLLTLFATT----- 250
drosophilaDPM1 YGTSKLGGTEIIQFAKNLLYLFATT----- 241
celegansDPM1   FGESKLGSQEIVDYAKGLLYLFAFW----- 239
yeastDPM1      EGESKLSGKVIIQYLQQLKELYVFKFGANNLILFITFWSILFFYVCYQLYHLVF 267
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