

FIG. 1

Amino acid sequence of human menin, isoform 1 (SEQ ID NO: 1):

MGLKAAQKTLFPLRSIDDVRLFAAELGREEPDLVLLSLVLGFVEHFLAVNRVIPTNVPE
LTFQPSPAPDPPGGLTYFPVADLSIIAALYARFTAQIRGAVDLSLYPREGGVSSRELVKK
VSDVIWNSLSRSYFKDRAHIQSLFSFITGWSPVGTKLDSSGVAFVVGACQALGLRDVHL
ALSEDHAWVVFPGNGEQTA EVTWHGKGNEDRRGQTVNAGVAERSWLYLKGSYMRCDRKME
VAFMVCAINPSIDLHTDSLELLQLQQKLLWLLYDLGHLERYPMALGNLADLEELEPTPGR
PDPLTLYHKGIASAKTYRDEHIYPMYLAGYHCRNRNVREALQAWADTATVIQDYNCR
EDEEIIYKEFFEVDVIPNLLKEAASLLEAGEERPGEQSQGTQSQGSALQDPECFAHLLR
FYDGICKWEEGSPTPVLHVGWATFLVQSLGRFEGQVRQKVRIVSREAEAAEAEEPWGEEA
REGRRRGPRRESKPEEPPPPKKPALDKGLGTGQGAVSGPPRKPPGTVAGTARGPEGGSTA
QVPAPTASPPPEGPVLTQSEKMKGMKELLVATKINSSAIKLQLTAQSQVQMKKQKVSTP
SDYTLSFLKRQRKGL

FIG. 2

Amino acid sequence of human menin, isoform 2 (SEQ ID NO: 2):

MGLKAAQKTLFPLRSIDDVVRLFAAELGREEPDLVLLSLVLGFVEHFLAVNRVIPTNVPE
LTFQPSPAPDPPGGLTYFPVADLSIIAALYARFTAQIRGAVDLSLYPREGGVSSRELVKK
VSDVIWNSLSRSYFKDRAHIQSLFSFITGTKLDSSGVAFVVGACQALGLRDVHLALSED
HAWVVFPGNGEQTA EVTWHGKGNEDRRGQTVNAGVAERSWLYLKGSYMRCDRKMEVAFMV
CAINPSIDLHTDSLELLQLQKLLWLLYDLGHLERYPMALGNLADLEELEPTPGRPDPLT
LYHKGIASAKTYRDEHIYPMYLAGYHCRNRNVREALQAWADTATVIQDYNCREDEEI
YKEFFEYVANDVIPNLLKEAASLLEAGEERPGEQSQGTQSQGSALQDPECFAHLLRFYDGI
CKWEEGSPTPVLHVGWATFLVQSLGRFEGQVRQKVRIVSREAEAAEAEEPWGEEAREGRR
RGPRRESKPEEPPPPKKPALDKGLGTGQGAVSGPPRKPPGTVAGTARGPEGGSTAQVPAP
TASPPPEGPVLTFQSEKMKGMKELLVATKINSSAIKLQLTAQSQVQMKKQKVSTPSDYTL
SFLKRQRKGL

FIG. 3

Amino acid sequence of human menin, isoform 3 (SEQ ID NO: 3):

MGLKAAQKTLFPLRSIDDVRLFAAELGREEPDLVLLSLVLGFVEHFLAVNRVIPTNVPE
LTFQPSPAPDPPGGLTYFPVADLSIIAALYARFTAQIRGAVDLSLYPREGGVSSRELVKK
VSDVIWNSLSRSYFKDRAHIQSLFSFITGTKLDSSGVAFAVVGACQALGLRDVHLALSED
HAWSWLYLKGSYMRCDRKMEVAFMVCAINPSIDLHTDSLELLQLQQKLLWLLYDLGHLER
YPMALGNLADLEELEPTPGRPDPLTLYHKGIASAKTYRDEHIYPYMYLAGYHCRNRNVR
EALQAWADTATVIQDYNKYCREDEEIIYKEFFEVEANDVIPNLLKEAASLLEAGEERPGEQSQ
GTQSQGSALQDPECFAHLLRFYDGICKWEEGSPTPVLHVGWATFLVQSLGRFEGQVRQKV
RIVSREAEAAEAEPEPWGEEAREGRRRGPRRESKPEEPPPPKKPALDKGLGTGQGAVSGPP
RKPPGTVAGTARGPEGGSTAQVPAPTASPPPEGPVLTQSEKMKGMKELLVATKINSSAI
KLQLTAQSQVQMKKQKVSTPSDYTLSFLKRQRKGL