

Figure 22. Comparison of *Dictyostelium* cDNA clone SLA872 to “classical” alkaline phosphatase of yeast.

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ap. protein  SSSGGGGKVVSHFLLEEDFDSKKRFTSTHKRIFYILTSLAILVTVLLIVFLLPRG-WEGPKKKTNIIMMIGDGMGP
yeast       TLPSEQTRLVPGSDSSSRPKKRRISKRSKIIVSTVVCIGLLLVLVQL-AFPSSFALRSASHKKKNVIFVFDGMGP
           ^10      ^20      ^30      ^40      ^50      ^60      ^70
ap. protein  AALTMARVCFHTKGESTSQAHLHLDPYIVGTVKTYSSNSVVTDSAAAAATAYASGVKTYNNAVGVDANGKPAAGTIIIEAAKK
yeast       ASLSMARSFNQHVNDLPIDDLTLDEHFIGSSRTRSSDSLVTDSAAGATAFACALKSYNGAIGVDPHHRPCGTVLEAAKL
           ^80      ^90      ^100     ^110     ^120     ^130     ^140     ^150
ap. protein  LGMKTGLVVTTRISDATPACYFAHSATRHDEAFIIDQLLDK-----EIDVILGGGK-QF-----F-----SNKTLQD
yeast       G  TGLVVTTRI:DATPA::H  R:E:I  L:  :D::GGG:  F  :  :K:  :D
           ^160     ^170     ^180     ^190     ^200     ^210     ^220     ^230
ap. protein  AV--SSKYNYSYVESKQE-----MEQVEAGRILGLFADYNIPWEIDR-LRDPTLLSTKPSLQEMTTKALNLI SQNNEN
yeast       LIDEAQSNGWQYVGD RKNFDSLLKSHGENVTL PFLGLFADNDIPFEIDRDEKEYPSLKEQVKVA-LGALEKASNEDKDSN
           ^240     ^250     ^260     ^270     ^280     ^290     ^300     ^310
ap. protein  GFFLMVEGSKIDVAAHINDAPTQIWETDAFDQTFNLVREWAEEK-DGNTIVIVTADHETGGLTLANQMVIDGNPKYSWSPE
yeast       GFFLMVEGSRIDHAGHQNDPASQVREVLAFDEAFQYVLEFAENSDET VLVSTSDHETGGL-VTSRQVTASYPQYVWYPQ
           ^320     ^330     ^340     ^350     ^360     ^370     ^380     ^390
ap. protein  TLLTVNKSADLMAELIKGGADPTKLI FDN TGYTLTSSDDLKEINRTKSAY-YLNQVIGRIVSNYADIGFTTGGHTGEDVNL
yeast       VLANATHSGEFLKRKLVDVFVHEHKGASSKIE-NFIKHEI--LEKDLGIYDYTSDLETLI-HLDDNANA IQDKLNDMVSF
           ^400     ^410     ^420     ^430     ^440     ^450     ^460     ^470
ap. protein  YT-FG-DTISEGKFETRLKDHQTEIVD-NYIDPILRGNINNIDIASFIKTLNLDIQSITEXLKDFIPKP.
yeast       RAQIGWTTHGHSADVNIYAYANKKATWSYVLNQLQGNHENTEVGQFLENFLELNLNEVTDLIRDTKHTSD
           ^480     ^490     ^500     ^510     ^520     ^530     ^540

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