

Spherocytosis-Related L1340P Mutation in Ankyrin Affects Its Interactions with Spectrin

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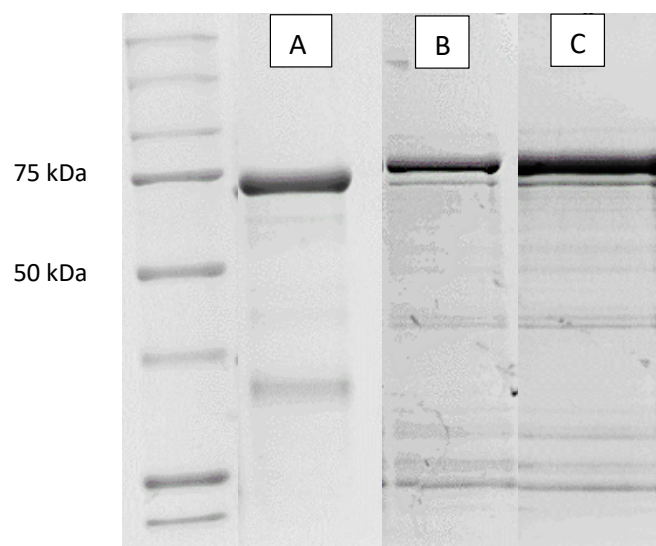


Figure S1. Representative SDS-PAGE of purified His(6)GFP-AnkBD (A) and ZZUD-GST (B) and ZZUDL1340P-GST (C). Samples were run in 10% gel and stained with Coomassie Blue. Standard was Precision Plus Unstained Protein Standard (Bio-Rad).

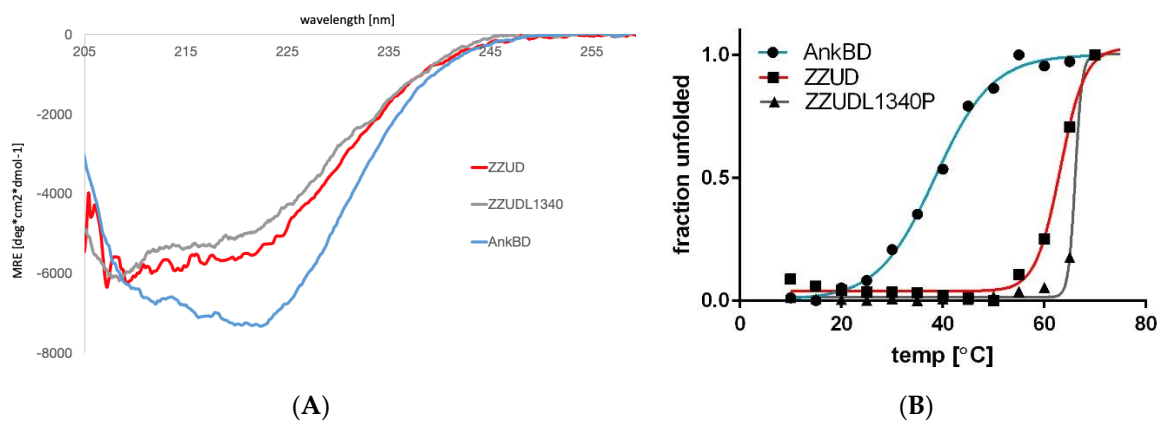


Figure S2. Representative circular dichroism spectra (A) measured at 20 °C and melting curves (B) of His(6)GFP-AnkBD (blue), ZZUD-GST (red) and ZZUD L1340-GST (gray).

ZU5 1

>sp|P16157|ANK1_HUMAN|913-1068 OS=Homo sapiens OX=9606 GN=ANK1 PE=1 SV=3
FLVSFMVDAR GGSMRGRHN GLRVVIPRT CAAPTRITCR LVKPQKLSTP PPLAEEEEGLA
SRIIALGPTG AQFLSPVIVE IPHFASHGRG DRELVVLRSE NGSVWKEHRS RYGESYLDQI
LNGMDEELGS LEELEKKRVC RIITDFPLY FVIMSR

ZU5 2

>sp|P16157|ANK1_HUMAN|1070-1216 OS=Homo sapiens OX=9606 GN=ANK1 PE=1 SV=3
CQDYDTIGPE GGSLKSKLVP LVQATFPENA VTKRVKLALQ AQPVPDELVT KLLGNQATFS
PIVTVEPRRR KFHRPIGLRI PLPPSWTDNP RDSGEGDTS LRLCSVIGG TDQAQWEDIT
GTTKLVYANE CANFTTNVSA RFWLSDC

UPA

>sp|P16157|ANK1_HUMAN|1234-1362 OS=Homo sapiens OX=9606 GN=ANK1 PE=1 SV=3
TAVPYMAKFV IFAKMNDPRE GRLRCYCMTD DKVDKTLEQH ENFVEVARSR DIEVLEGMSL
FAELSGNLVP VKKAAQQRSF HFQSFRENRL AMPVKVRDSS REPGGSLSL RKAMKYEDTQ
HILCHLNIT

Death

>sp|P16157|ANK1_HUMAN|1403-1487 OS=Homo sapiens OX=9606 GN=ANK1 PE=1 SV=3
AEMKMAVISE HLGLSWAELA RELQFSVEDI NRIRVENPNS LLEQSVALLN LWVIREGQNA
NMENLYTALQ SIDRGEIVNM LEGSG

Figure S3. The sequence of ZZUD supramodule according UNIPROT database
<https://www.uniprot.org/uniprotkb/P16157/entry>.