

Table S1. The amino acid sequences of various expressed recombinant protein.

Name	Sequence
human PARP5A-CD	MTNPYLTFHCVNQGTILLDLAPEDKEYQSVEEEMQSTI REHRDGGNAGGIFNRYNVIRIQKVVNKKLRERFCHRQK EVSEENHNHHNERMLFHGSPFINAIIHKGFDERHAYIGG MFGAGIYFAENSSKSNQYVYGIGGGTGCPHCKDRSCYI CHRQMLFCRVTLGKSFLQFSTMKMAHAPPGHHSVIGRP SVNGLAYAEYVIYRGEQAYPEYLITYQIMKPEAPSQTAT AAEQKT
WWE domain of human RNF146	EELKAASRGNGEYAWYYEGRNGWWQYDERTSRELED AFSKGKKNTTEMLIAGFLYVADLENMVQYRRNEHGRRR KIKR
Ubiquitin	MQIFVKTLTGKTITLEVEPSDTIENVKAKIQDKEGIPPDQ QRLIFAGKQLEDGRTLSDYNIQKESTLHLVLRLLRGG
RPLP1	MASVSELACIYSALILHDDEVTVTEDKINALIKAAGVN VEPFWPGLFAKALANVNIGSLICNVGAGGPAPAAGAAP AGGPAPSTAAAPAEKKKVEAKKEESEESDDDMGFGLFD
EIF2S1	GSMPGLSCRFYQHKFPEVEDVVMVNVRSIAEMGAYVS LLEYNNIEGMILLSELSRRRIRSINKLIRIGRNECVVIRV DKEKGYIDLSKRRVSPEEAIKCEDKFTKSKTVYSILRHV AEVLEYTKDEQLESLEFQRTAWVFDDKYKRPGYGAYDA FKHAVSDPSILDSLNLNEDEREVLINNINRRLTPQAVKIR ADIEVACYGYEGIDAVKEALRAGLNCSTENMPIKINLIA PPRYVMTTTTLERTEGLSVLSQAMAVIKEKIEEKRGVFN VQMEPKVVTDTDETALARQMERLERENAEVDGDDDA EEMEAKAED
FCF1	GSMGKQKKTRKYATMKRMLSLRDQRLKEKDRLKPKK KEKKDPSALKEREVPQHPSCLFFQYNTQLGPPYHILVDT NFINFSIAKLDLVQSMMDCLYAKCIPCITDCVMAEIEK LGQKYRVALRIAKDPRFERLPCTHKGTYADDCLVQRVT QHKCYIVATVDRDLKRRIRKIPGVPI MYISNHRYNIERM PDDYGAPRF
PRIM2	GSMEFSGRKWRKLRLAGDQRNASYPHCLQFYLLQPPSE NISLIEFENLAIDRVKLLKSVENLGVSYVKGTEQYQSKL ESELRKLFKFSYRENLEDEYEPRRRDHISHFILRLAYCQSE ELRRWFIQQEMDLLRFRFSILPKDKIQDFLKDSQLQFEAI SDEEKTREQEIVASSPSLSGLKLGFEISYKIPFADALDLF RGRKVYLEDFAYVPLKDVAIILNEFRAKLSKALALTA RSLPAVQSDERLQPLLNHLSHSYTGQDYSTQGNVKGISL DQIDLLSTKSFPFCMRQLHKALRENHHLRHGGRMQYG LFLKGIGLTLEQALQFWKQEFIKGKMDPKFDKGYSYN IRHSFGKEGKRTDYTPFSCLKIILSNPPSQGDYHGCPFRH SDPELLKQKLQSYKISPGGISQILDVKGTHYQVACQKY FEMIHNVDDCGFSLNHPNQFFCESQRILNGGKDIKKEPI QPETPQPKPSVQKTKDASSALASLNSSEMDMEGLEDY FSEDS