

Figure S1

Protein sequence and domain structure of CeNup98

Nucleoporin Autoprotease domain
predicted by homology by HHpred (<http://toolkit.tuebingen.mpg.de>)

RAE-binding motif
by homology to human Nup98

Fragment deleted in *npp-10(ok467)*
and replaced with a single F

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MFGQNKSFSGSSFFGGSSGSGLFGQNNQNNQNKGLFGQPANNSGTTGLFGAAQNKPAGS
IFGAASNTSSI FGSPQQPQNNQSSLFGGGQNNANRSIFGSTSSAAPASSSLFGNNANNT
GTSSIFGSNNNAPSGGGLFGASTVSGTTVKFEPPISSDTMMRNGTTQTISTKHMCI SAM
SKYD GKSI EELRVEDY IANRKAPGT GTTSTGGGLFGASNTTNQAGSSGLFGSSNAQQKT
SLFGGASTSSP FGGNTSTANTGSSLFGNNNANTSAASGSLFGAKPAGSSLFGSTATTGA
STFGQTTGSSLFGNQPPQTNTGGSLFGNTQNNQSGSLFGNTGTTGTGLFGQAQQQPQQ
QSSGFS FGGAPAAATNA FGQPAANTGGSLFGNTSTANTGSSLFGAKPATSTGFTFGATQ
PTTTNA FGSTNTGGGLFGNNAAKPGGLFGNTTNTGTGGGLFGSQPQASSGGLFGSNTQA
TQPLNTGFGNLAQPQIVMQQQVAPVPIGV TADVLQM QANMKS LKSLQLTNAPYGDSP LL
KYNANPEIDGKSSPASTQRQLRFLAAKKGALSSSSDAQDSSFIIPPISKVMSDLSPAVT
RSADVTKDLNYSKEAPP SLARGLRNSTFNP NMSLTNRSVHESSALDKTIDSALDASMN
GTSNRLGVRG SVRRSNLQ LDMSLLADSSRVG RESRVADPDALPRI SESEERRQDVVTST
PAVDPVQAVIQRHNDNRDPPSLNLDTT CDEHTGLEPVSAATSSAASVVSTPSEETVNV
NSAAGVKLTKPDYFSLPTINEMKNMIKNGRVVLEDGLTVGRSSYGSVYWPGRVELKDVA
LDEIVVFRHREVTVYPNEE EKAP EGQELNRPAEV TLERVWYTDKKTKEVRDVVKLSEI
GWREHLERQ TIRMGAAFKDFRAETGSWVFRVDHF
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CeNup98

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SKYGLADDDEPMDGSP PQALQASSPLQVIDMNTSARDVNNQVQRKVKH KATDAHHQEII
LERVPAPAALGDVVPI IRRVNRKGLGGGTLDDSREESCIGNMTTEFNESGHDSIIEEGQQ
PEKKPKLELLADLEYESSRFIRNLQELKVM PKANDPAHRFHGGGHS AKMIGYGKSKLIDI
GIVKGRSSHVGWSETGCLVWSAQPRHNQVLFGTIDRTSDVNENTLISMLDVNVHVSETSR
KGPSSQSNSVKSSLTSNFVTYSDSYSSMFAKYIDVAQAGGYDGHVSVWKLISALFPYERR
EGWSFERGEEIGEWL RTEAVKSV PDDRSADTSSNGVWNQLCLGDIDKAFQIAIDNNQPQL
ATMLQTSAVCPEATVHCFKAQLDNWKKCETLHLIPKETLKC YVLM SGLSHYEW DQDGKNH
SINCLDGLNWIQALGLHVWYLRAWTGLEESYDAYQKDVNAGRAASN RGDLPGELIKLACE
SQHSVEVLDCAAGENPN DYFLQWHVWSLLYSVGYRTMSKTSETRLHRNYSSQLEASSLS
KYALFVLQHIDDDEERSTAVRSLLDRIARFTDNDMFDSISEQFDIPSEWIADAQFSIAKS
VDDSTQLFELAVAAKNYLEICRLFVDDIAPTAVVAGDHDALKAACAMVRPFENQIPEWGA
TGMVYTDYCRLINLIENDAEEELLQDVLESLETRLHAPTISKNSLQKLSLQ TIGRVLFEY
RADKNTLPEWTKLLGHRQMFKIFRDRSSWGIERTIEFD
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CeNup96