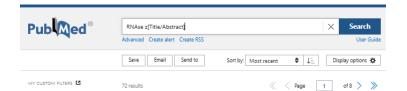
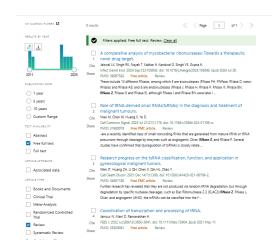
1.1 Vseh člankov je 72.



1.2 Takih člankov je 6.



2.1 UniProt ID: Q9BQ52

Dolžina: 826 ak

Funkcija: sodeluje pri tRNA 3'-procesiranju.

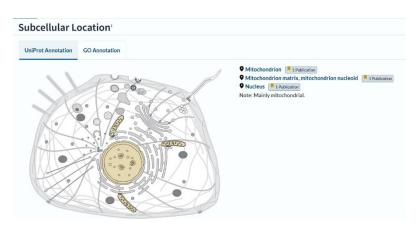




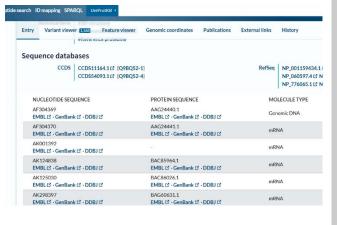
2.2 Kofaktor je Zn²⁺

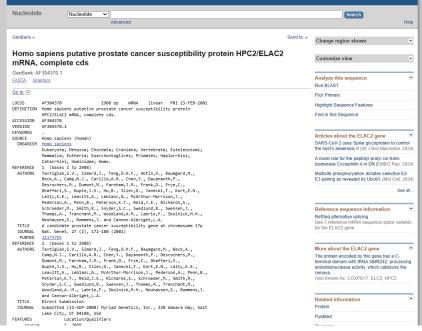


2.3 V jedru in mitohondriju.

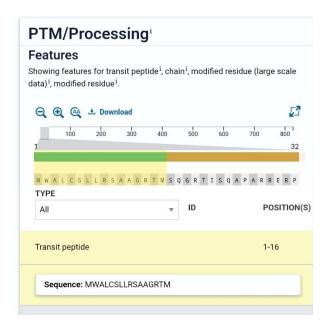


3.1 2908 bp





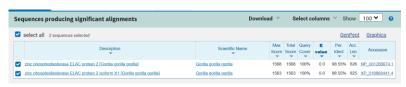
3.2 Ta zapis vsebuje 6 triptofanov.



Amino acid composition:

(A)	65	7.9%
(R)	58	7.0%
(N)	22	2.7%
(D)	28	3.4%
(C)	22	2.7%
(Q)	45	5.4%
(E)	65	7.9%
(G)	53	6.4%
(H)	32	3.9%
(I)	37	4.5%
(L)	89	10.8%
(K)	39	4.7%
(M)	20	2.4%
(F)	28	3.4%
(P)	55	6.7%
(S)	57	6.9%
(T)	35	4.2%
(W)	7	0.8%
(Y)	15	1.8%
(V)	54	6.5%
(0)	0	0.0%
(U)	0	0.0%
	(R) (N) (D) (C) (Q) (E) (H) (I) (K) (M) (F) (Y) (V) (V)	(R) 58 (N) 22 (D) 28 (C) 22 (Q) 45 (E) 65 (G) 53 (H) 32 (I) 37 (L) 89 (K) 39 (M) 20 (F) 28 (P) 55 (S) 57 (T) 35 (W) 7 (Y) 15 (V) 54 (O) 0

3.3 Ocena poravnave je 4283. Evolucija je uvedla 7 točkovnih mutacij.



```
# Program: needle
# Rundate: Fri 9 May 2025 08:10:32
# Commandline: needle
     -stdout
                                                                                    RNZ2_PANTR
                                                                                                     1 MWALCSLLRSAAGRTMSQGRTISQAPARRERPRKDPLRHLRTREKRGPSG
      -asequence emboss_needle-I20250509-081005-0611-80119008-p1m.asequence
     -bsequence emboss_needle-I20250509-081005-0611-80119008-p1m.bsequence
                                                                                    RNZ2_HUMAN
     -datafile EBLOSUM62
     -gapopen 10.0
                                                                                                    51 CSGGPNTVYLOVVAAGSRDSGAALYVFSEFNRYLFNCGEGIORLMOEHKL
                                                                                    RNZ2 PANTR
     -gapextend 0.5
-endopen 10.0
                                                                                                    51 CSGGPNTVYLQVVAAGSRDSGAALYVFSEFNRYLFNCGEGVQRLMQEHKL
                                                                                    RNZ2_HUMAN
     -endextend 0.5
    -aformat3 pair
                                                                                    RNZ2 PANTR
                                                                                                   101 KVARLDNIFLTRMHWSNVGGLSGMILTLKETGLPKCVLSGPPQLEKYLEA
                                                                                                   101 KVARLDNIFLTRMHWSNVGGLSGMILTLKETGLPKCVLSGPPQLEKYLEA
    -sprotein1
     -sprotein2
# Align_format: pair
                                                                                    RNZ2_PANTR
                                                                                                   151 IKIFSGPLKGIELAVRPHSAPEYEDETMTVYQIPIHSEQRRGKHQPWQSP
# Report_file: stdout
                                                                                                   151 IKIFSGPLKGIELAVRPHSAPEYEDETMTVYQIPIHSEQRRGKHQPWQSP
                                                                                    RNZ2_HUMAN
                                                                                    RNZ2 PANTR
                                                                                                   201 ERPLSRLSPERSSDSESNENEPHLPHGVSQRRGVRDSSLVVAFICKLHLK
                                                                                                   201 ERPLSRLSPERSSDSESNERPHLPHGVSQRRGVRDSSLVVAFICKLHLK
                                                                                    RNZ2_HUMAN
# 1: RNZ2_PANTR
# 2: RNZ2_HUMAN
# Matrix: EBLOSUM62
                                                                                                   RNZ2_PANTR
                                                                                    RNZ2_HUMAN
# Gap_penalty: 10.0
# Extend_penalty: 0.5
                                                                                                   # Length: 826
                                                                                    RNZ2_HUMAN
              817/826 (98.9%)
# Identity:
# Identity: 81//020 (90.7%)
# Similarity: 821/826 (99.4%)
# Gaps: 0/826 (0.0%)
# Score: 4283.0
```

4.18CBL

PDB	8CBL	ЕМ	2.79 Å	E	1-826
PDB	8Z0P	ЕМ	3.10 Å	Α	1-826
PDB	8Z1F	ЕМ	4.30 Å	Α	1-826

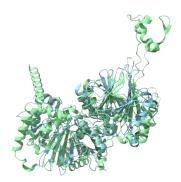
4.2 Metoda: elektronski mikroskop

Ekspresijski sistem: Escherichia coli



4.3

(Vir:





ELAC2: 249 ak



ELAC1: 353 ak

6.1

