

2. 2.1BLAST Results for Query: P62987

>sp|P62987|RL40_HUMAN Ubiquitin-ribosomal protein eL40 fusion protein OS=Homo sapiens OX=9606
GN=UBA52 PE=1 SV=2
MQIFVKTGKITLEVEPSDTIENVKAKIQDKEGIPPDQQQLFAGKQLEDGRTLSdyn
IQKESTLHLVLRLRGIIEPSLRQLAQKYNCDKMICRKCYARLHPRAVNCRKKCGHTNN
LRPKKKVK

Top 3 BLAST hits

1. **60S ribosomal protein L40 (Crotalus adamanteus)**
 - Accession: **KAK9409085.1**
 - **% Identity:** 100%
 - **E-value:** 8e-94
2. **Ubiquitin-ribosomal protein eL40 fusion protein isoform X1 (Castor canadensis)**
 - Accession: **XP_020008593.2**
 - **% Identity:** 100%
 - **E-value:** 2e-89
3. **Hypothetical protein ABFV05_006434 (Capra hircus)**
 - Accession: **XDB52818.1**
 - **% Identity:** 100%
 - **E-value:** 5e-89

2.2 BLAST Results for Query: Q96D46 (NMD3_HUMAN)

>sp|Q96D46|NMD3_HUMAN 60S ribosomal export protein NMD3 OS=Homo sapiens OX=9606
GN=NMD3 PE=1 SV=1
MEYMAESTDRSPGHILCCECGVPISPNNPANICVACLRSKVDISQGIPKQVSISFKQCQR
YFQPPGTWIQCALESRELLALCLKKIKAPLSKVRLVDAGFWTEPHSKRLKVKLTIQKEV
MNGAILQQVFVVVDYVQSQMCGDCHRVEAKDFWKAVIQVRQKTLHKKTFYYLEQLILKYG
MHQNTLRIKEIHGLDFYYSSKQHAQKMVEFLQCTVPCRYKASQRLLISQDIHSNTNYKS
TFSVEIVPICKDNVVCLSPKLAQSLGNMNQICVCIRTSAIHLIDPNTLQVADIDGSTFW
SHPFNSLCHPKQLEEFIVMECSIVQDIKRAAGAGMISKKHTLGEVVWQKTSEMNTDKQYF
CRTHLGHLNPQDVLGFDLANCNLDEHVNMKNMSDRVDPVVLIKSYDRTKRQRRRNWK
LKEALARERENMDTDDERQYQDFLEDLEEDEAIRKNVNIYRDSAIPVESDTDEGAPRISL
AEMLEDLHISQDATGEEGASMLT

Top 3 BLAST hits (with % identity and E-value):

1. **60S ribosomal export protein NMD3 isoform 1 (Homo sapiens)**
 - Accession: **NP_001307156.1**
 - **% Identity:** 99.60%
 - **E-value:** 0.0
2. **60S ribosomal export protein NMD3 (Manis javanica)**
 - Accession: **KAI5940079.1**
 - **% Identity:** 96.62%
 - **E-value:** 0.0

3. **60S ribosomal export protein Nmd3 (Manis pentadactyla)**

- Accession: **KAI5132168.1**
- **% Identity:** 96.42%
- **E-value:** 0.0

2.3 BLAST Results for Query: P62399 (RL5_ECOLI)

>sp|P62399|RL5_ECOLI Large ribosomal subunit protein uL5 OS=Escherichia coli (strain K12)
OX=83333 GN=rplE PE=1 SV=2
MAKLHDYYKDEVVKKLMTEFNYSVMQVPRVEKITLNMGVGEAIADKKLLDNAAADLAAI
SGQKPLITKARKSVAGFKIRQGYPIGCKVTLRGERMWEFFERLITIAVPRIRDFRGLSAK
SFDGRGNYSMGVREQIIFPEIDYDKVDRVRGLDITTTAKSDEEGRALLAAFDFPFRK

Top 3 BLAST hits (with % identity and E-value):

1. **50S ribosomal protein L5 (Escherichia coli)**

- Accession: **WP_223724601.1**
- **% Identity:** 99.44%
- **E-value:** 8e-128

2. **50S ribosomal protein L5 (Escherichia coli)**

- Accession: **WP_004032073.1**
- **% Identity:** 99.44%
- **E-value:** 2e-127

3. **50S ribosomal protein L5 (Salmonella enterica serovar Typhi)**

- Accession: **HCW2405769.1**
- **% Identity:** 98.33%
- **E-value:** 8e-125

2.4 BLAST Results for Query: P0A7S9 (uS13_ECOLI)

>sp|P0A7S9|RS13_ECOLI Small ribosomal subunit protein uS13 OS=Escherichia coli (strain K12)
OX=83333 GN=rpsM PE=1 SV=2
MARIAGINIPDHKHAVIALTSIYGVGKTRSKAILAAAGIAEDVKISELSEGQIDTLRDEV
AKFVVEGDLRREISMSIKRLMDLGCYRGLRHRRGLPVRGQRTKTNARTRKGPRKPIKK

Top 3 BLAST hits (with % identity and E-value):

1. **30S ribosomal protein S13 (Escherichia coli)**

- Accession: **WP_136758884.1**
- **% Identity:** 99.15%
- **E-value:** 5e-78

2. **Ribosomal protein S13 (synthetic construct)**

- Accession: **AAV39600.1**
- **% Identity:** 100%
- **E-value:** 6e-77

3. **30S ribosomal protein S13 (Salmonella enterica)**

- Accession: **WP_342134699.1**
- **% Identity:** 96.61%
- **E-value:** 5e-75