**SF-1 RNA Helicase: Summary Table**

| **Species** | **Group** | **Protein** | **Localization** | **Biological Process** |
| --- | --- | --- | --- | --- |
| S.Cerevisiae | Sen1 /  SETX | [Sen1p](https://www.uniprot.org/uniprot/Q00416) | Nucleus | mRNA processing  rRNA processing  tRNA processing |
| D.Melanogaster | Sen1 /  SETX | [SETX](https://www.uniprot.org/uniprot/B7Z0D7) | Nucleus |  |
| M.Musculus | Sen1 /  SETX | [SETX](https://www.uniprot.org/uniprot/A2AKX3) | Nucleus, Cytoplasm | DNA repair  DNA recombination |
| H.Sapiens | Sen1 /  SETX | [SETX](https://www.uniprot.org/uniprot/Q7Z333) | Nucleus, Cytoplasm | DNA repair  DNA recombination |
| C.Elegans | ZNFX1 /  IBP160 | [ZNFX1](https://www.uniprot.org/uniprot/E9P860) | Cytoplasm | RNA-mediated gene silencing |
| D.Melanogaster | ZNFX1 /  IBP160 | [ZNFX1](https://www.uniprot.org/uniprot/Q95TZ2) | Nucleus |  |
| M.Musculus | ZNFX1 /  IBP160 | [ZNFX1](https://www.uniprot.org/uniprot/Q8R151) | Nucleus |  |
| H.Sapiens | ZNFX1 /  IBP160 | [ZNFX1](https://www.uniprot.org/uniprot/Q9P2E3)  [IBP160](https://www.uniprot.org/uniprot/O60306) | Nucleus | mRNA processing  mRNA splicing |
| S.Cerevisiae | Upf1 | [Upf1p](https://www.uniprot.org/uniprot/P30771) | Nucleus, Cytoplasm | Nonsense-mediated mRNA decay |
| D.Melanogaster | Upf1 | [UPF1](https://www.uniprot.org/uniprot/Q9VYS3) | Cytoplasm |  |
| M.Musculus | Upf1 | [UPF1](https://www.uniprot.org/uniprot/Q9EPU0) | Nucleus, Cytoplasm | Nonsense-mediated mRNA decay |
| H.Sapiens | Upf1 | [UPF1](https://www.uniprot.org/uniprot/Q92900) | Nucleus, Cytoplasm | Nonsense-mediated mRNA decay |
| S.Cerevisiae | Hcs1 / IGHMBP2 | [Hcs1p](https://www.uniprot.org/uniprot/P34243) | Nucleus, Cytoplasm |  |
| M.Musculus | Hcs1 / IGHMBP2 | [IGHMBP2](https://www.uniprot.org/uniprot/P40694) | Nucleus, Cytoplasm | Transcription |
| H.Sapiens | Hcs1 / IGHMBP2 | [IGHMBP2](https://www.uniprot.org/uniprot/P38935) | Nucleus, Cytoplasm | Transcription |
| S.Cerevisiae | DNA2 | [Dna2p](https://www.uniprot.org/uniprot/P38859) | Nucleus, Chromosome | DNA repair |
| C.Elegans | DNA2 | [DNA2](https://www.uniprot.org/uniprot/Q9U3F2) | Nucleus | DNA repair  DNA replication |
| D.Melanogaster | DNA2 | [DNA2](https://www.uniprot.org/uniprot/Q8IRL9) | Nucleus | DNA repair  DNA replication |
| M.Musculus | DNA2 | [DNA2](https://www.uniprot.org/uniprot/Q6ZQJ5) | Nucleus, Mitochondria | DNA repair  DNA replication |
| H.Sapiens | DNA2 | [DNA2](https://www.uniprot.org/uniprot/P51530) | Nucleus, Mitochondria | DNA repair  DNA replication |
| S.Cerevisiae | Mtt1p / MOV10 / HELZ | [Mtt1p](https://www.uniprot.org/uniprot/P32644) | Cytoplasm |  |
| D.Melanogaster | Mtt1p / MOV10 / HELZ | [MOV10](https://www.uniprot.org/uniprot/Q8MRI1)  [HELZ](https://www.uniprot.org/uniprot/Q9VUH9) | Cytoplasm | RNA-mediated gene silencing |
| M.Musculus | Mtt1p / MOV10 / HELZ | [MOV10](https://www.uniprot.org/uniprot/P23249)  [MOV10L](https://www.uniprot.org/uniprot/Q99MV5)  [HELZ](https://www.uniprot.org/uniprot/Q6DFV5) | Nucleus, Cytoplasm | RNA-mediated gene silencing |
| H.Sapiens | Mtt1p / MOV10 / HELZ | [MOV10](https://www.uniprot.org/uniprot/Q9HCE1)  [MOV10L](https://www.uniprot.org/uniprot/Q9BXT6)  [HELZ](https://www.uniprot.org/uniprot/P42694)  [PR285](https://www.uniprot.org/uniprot/Q9BYK8) | Nucleus, Cytoplasm | RNA-mediated gene silencing  Transcription  Transcription regulation |
| E.Coli |  | [UL1](https://www.uniprot.org/uniprot/P0A7L0) | Cytoplasm | rRNA processing  Translation |
| E.Coli |  | [Z1202](https://www.uniprot.org/uniprot/Q8X9M6) |  |  |

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