The role of UniProt Knowledgebase in the scientific community

“What is UniProtKB?”

UniProtKB is the central hub for the collection of functional information on proteins, with accurate, consistent and rich annotation.

“What can I do with UniProtKB?”

- Find domains and repeats in proteins
- Explore the published literature for a protein
- Use the advanced search to find a list of specific UniProtKB entries
- Browse, search and download complete and reference UniProtKB proteome sets from a wide range of taxonomic groups
- Access a wide range of manually reviewed experimental data
- Perform BLAST searches against the whole of UniProtKB or taxonomic subgroups
- Use the integrated alignment tool to compare the amino acid composition of many UniProtKB entries.
- The ID mapping tool enables users to convert accessions from many other biological databases to UniProtKB accessions and vice versa.
- Description of the disease(s) associated with the deficiency of a protein
- Description of post-translational modifications
- Involvement in disease
- Description of sequence variation(s) and their cause
- UniProtKB provides extensive cross-references to more than 140 other specialised databases

“New website coming soon!”

- Our new website is in the final stages of testing.
- Used user-centred design approach and consulted wide range of users worldwide from a range of different backgrounds and research interests.
- Completely redesigned the website leading to several major improvements including enhanced usability and functionality, better navigation, more effective advanced search and improved entry view.
- The current site will be replaced by the new updated one in a few months time.

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