

Resource Summary Report

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UniProtKB

RRID:SCR_004426

Type: Tool

Proper Citation

UniProtKB (RRID:SCR_004426)

Resource Information

URL: <http://www.uniprot.org/help/uniprotkb>

Proper Citation: UniProtKB (RRID:SCR_004426)

Description: Central repository for collection of functional information on proteins, with accurate and consistent annotation. In addition to capturing core data mandatory for each UniProtKB entry (mainly, the amino acid sequence, protein name or description, taxonomic data and citation information), as much annotation information as possible is added. This includes widely accepted biological ontologies, classifications and cross-references, and experimental and computational data. The UniProt Knowledgebase consists of two sections, UniProtKB/Swiss-Prot and UniProtKB/TrEMBL.

UniProtKB/Swiss-Prot (reviewed) is a high quality manually annotated and non-redundant protein sequence database which brings together experimental results, computed features, and scientific conclusions. UniProtKB/TrEMBL (unreviewed) contains protein sequences associated with computationally generated annotation and large-scale functional characterization that await full manual annotation. Users may browse by taxonomy, keyword, gene ontology, enzyme class or pathway.

Synonyms: UniProtKB, UniProtKB/Swiss-Prot, UniProtKB/TrEMBL, UniProt Knowledgebase

Resource Type: data or information resource, data repository, database, service resource, storage service resource

Defining Citation: [PMID:15888679](#), [PMID:18287689](#)

Keywords: protein, annotation, amino acid sequence, taxonomy, proteome

Availability: Available to the research community, The community can contribute to this resource

Resource Name: UniProtKB

Resource ID: SCR_004426

Alternate IDs: r3d100011521, nlx_53981

Alternate URLs: <https://doi.org/10.17616/R3NK9Z>

Record Creation Time: 20220129T080224+0000

Record Last Update: 20260905T132957+0000

Ratings and Alerts

No rating or validation information has been found for UniProtKB.

No alerts have been found for UniProtKB.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7119 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Rodon J, et al. (2026) MTAP Deletion in Oncogenesis: A Synthetic Lethality Scenario. Cancer research, 86(7), 1558.

Singh D, et al. (2026) Antibody-Mediated Targeting of Secretory Protein SCUBE3 Suppresses Cancer Progression by Inhibiting Oncogenic Signaling and Inducing Antitumor Immunity. Cancer research, 86(5), 1252.

Fang S, et al. (2026) Directed evolution of APOX for proximity labeling using phenols with high redox potentials. Cell chemical biology, 33(4), 538.

Hall S, et al. (2026) Purified zymogens reveal mechanisms of snake venom metalloproteinase auto-activation. eLife, 15.

Sun Y, et al. (2026) Lactylation Converts ABHD6 into a Mitochondrial Regulator That Drives Lenvatinib Resistance in Hepatocellular Carcinoma. Cancer research, 86(12), 2970.

Ma B, et al. (2026) MYC-Mediated USP39 Upregulation Stabilizes SRSF1 in Pancreatic Cancer. Molecular cancer research : MCR.

Ghasemi F, et al. (2026) Expansion, functional diversification, and gene fusion events in the Ato protein family. iScience, 29(7), 116467.

Zhu Q, et al. (2026) Temporal transcriptomic and proteomic characterization of adipose tissue from cold-exposed mice. Scientific data, 13(1).

Cao J, et al. (2026) Proteomic signatures of sperm and extracellular vesicles associated with sperm freezability in Holstein bulls. *Scientific reports*, 16(1), 6934.

José Rinaldi A, et al. (2026) The adaptive nature of the foam proteome produced by *Mahanarva spectabilis* (Hemiptera: Cercopidae) when infesting forage grasses with different levels of antibiosis-type resistance. *Scientific reports*, 16(1), 7114.

Zhou X, et al. (2026) Digoxin Attenuates Ocular Hypertension and Protects Trabecular Meshwork Cells via Ferroptosis Inhibition. *Investigative ophthalmology & visual science*, 67(1), 46.

Wang X, et al. (2026) INCENP and CDCA8 predict neoadjuvant chemotherapy response and outcomes in esophageal squamous cell carcinoma. *Nature communications*, 17(1), 1672.

Byun WG, et al. (2026) Host-Directed Antiviral Activity of SB2960 Through Selective Induction and Remodeling of Stress Granules. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(12), e12972.

Yang S, et al. (2026) Temporal proteomic profiling of iPSC-derived human liver organoids reveals optimal maturation for drug metabolism and toxicology. *Scientific reports*, 16(1), 2757.

Garg S, et al. (2026) Mustard derived compounds as insecticides and modulators of human metabolism. *Scientific reports*, 16(1), 5783.

Rahimian M, et al. (2026) Genomic landscape of biosynthetic gene clusters in Iranian extremophiles reveals prolific metabolite potential, prophage associations, and integrated defensive-metabolic islands. *BMC microbiology*, 26(1).

Qu Y, et al. (2026) Targeting NDUFS8 in basal forebrain ameliorates cognitive decline related to chronic cerebral hypoperfusion. *Theranostics*, 16(3), 1328.

Zhang X, et al. (2026) Comprehensive Human Red Blood Cell Membrane and Cytoplasmic Proteome Analyses. *Scientific data*, 13(1).

Guo S, et al. (2026) Integrated multi-tissue transcriptome and serum metabolome analysis reveals brain-gut-liver regulatory axes of residual feed intake in ducks. *Poultry science*, 105(4), 106525.

Adamska A, et al. (2026) GSPT1-specific protein degradation is effective in preclinical models of chemoresistant MYCN-amplified neuroblastoma. *Journal of experimental & clinical cancer research : CR*, 45(1), 58.