

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 28, 2026

PRO

RRID:SCR_002902

Type: Tool

Proper Citation

PRO (RRID:SCR_002902)

Resource Information

URL: <http://pir.georgetown.edu/pro/>

Proper Citation: PRO (RRID:SCR_002902)

Description: An ontological representation of protein-related entities, explicitly defining them and showing the relationships between them. Each PRO term represents a distinct class of entities (including specific modified forms, orthologous isoforms, and protein complexes) ranging from the taxon-neutral to the taxon-specific. PRO encompasses three sub-ontologies: proteins based on evolutionary relatedness (ProEvo); protein forms produced from a given gene locus (ProForm); and protein-containing complexes (ProComp).

Synonyms: Protein Ontology

Resource Type: controlled vocabulary, ontology, data or information resource

Defining Citation: [PMID:21929785](#)

Keywords: protein

Funding: NIGMS 5R01GM080646-09

Resource Name: PRO

Resource ID: SCR_002902

Alternate IDs: OMICS_06200

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260728T043136+0000

Ratings and Alerts

No rating or validation information has been found for PRO.

No alerts have been found for PRO.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

McKeever S, et al. (2015) The role of markup for enabling interoperability in health informatics. *Frontiers in physiology*, 6, 152.

Guan W, et al. (2015) Proteomic analysis shows that stress response proteins are significantly up-regulated in resistant diploid wheat (*Triticum monococcum*) in response to attack by the grain aphid (*Sitobion avenae*). *Molecular breeding : new strategies in plant improvement*, 35(2), 57.

Galperin MY, et al. (2011) The 2011 Nucleic Acids Research Database Issue and the online Molecular Biology Database Collection. *Nucleic acids research*, 39(Database issue), D1.

Natale DA, et al. (2011) The Protein Ontology: a structured representation of protein forms and complexes. *Nucleic acids research*, 39(Database issue), D539.