Resource Summary Report

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Protein Lounge

RRID:SCR_002117
Type: Tool

Proper Citation

Protein Lounge (RRID:SCR_002117)

Resource Information

URL: http://www.proteinlounge.com

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Description: Complete siRNA target database, complete Peptide-Antigen target database and a Kinase-Phosphatase database. They have also developed the largest database of illustrated signal transduction pathways, which are interconnected to their extensive protein database and online gene / protein analysis tools. The interactive web-based databases and software help life-scientists understand the complexity of systems biology. Systems biology efforts focus on understanding cellular networks, protein interactions involved in cell signaling, mechanisms of cell survival and apoptosis leading to development or identification of drug candidates against a variety of diseases. In the post-genomic era, one of the major concerns for life-science researchers is the organization of gene / protein data. Protein Lounge has met this concern by organizing all necessary data about genes / proteins into one portal.

Abbreviations: ProteinLounge

Synonyms: Protein Lounge - Redefining Biology

Resource Type: service resource, narrative resource, data or information resource, data analysis service, database, production service resource, analysis service resource, training material

Keywords: gene, antigen, bioinformatics, kinase, life science, peptide, phosphatase, signal transduction pathway, sirna, systems biology, protein, biology, cellular network, protein interaction, cell signaling, cell survival, apoptosis, peptide-antigen, kinase-phosphatase, image, pathway

Availability: Restricted

Resource Name: Protein Lounge

Resource ID: SCR_002117

Alternate IDs: nif-0000-20903

Record Creation Time: 20220129T080211+0000

Record Last Update: 20260729T044021+0000

Ratings and Alerts

No rating or validation information has been found for Protein Lounge.

No alerts have been found for Protein Lounge.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 29 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Chakraborty S, et al. (2024) Post-GWAS functional analyses of CNTNAP5 suggests its role in glaucomatous neurodegeneration. bioRxiv : the preprint server for biology.

Chakraborty S, et al. (2024) Functional investigation suggests CNTNAP5 involvement in glaucomatous neurodegeneration obtained from a GWAS in primary angle closure glaucoma. PLoS genetics, 20(12), e1011502.

Gong W, et al. (2021) Location, function and role of stromal cell?derived factors and possible implications in cancer (Review). International journal of molecular medicine, 47(2), 435.

Wang S, et al. (2021) SERCA2a ameliorates cardiomyocyte T-tubule remodeling via the calpain/JPH2 pathway to improve cardiac function in myocardial ischemia/reperfusion mice. Scientific reports, 11(1), 2037.

Tang J, et al. (2021) Sequestosome 1/p62: A multitasker in the regulation of malignant tumor aggression (Review). International journal of oncology, 59(4).

Ni B, et al. (2021) MCC950, the NLRP3 Inhibitor, Protects against Cartilage Degradation in a Mouse Model of Osteoarthritis. Oxidative medicine and cellular longevity, 2021, 4139048.

Yu T, et al. (2020) The shared KEGG pathways between icariin-targeted genes and osteoporosis. Aging, 12(9), 8191.

Yu T, et al. (2020) Tomatidine Alleviates Osteoporosis by Downregulation of p53. Medical science monitor : international medical journal of experimental and clinical research, 26, e923996.

Wishart DS, et al. (2020) PathBank: a comprehensive pathway database for model organisms. Nucleic acids research, 48(D1), D470.

Yu T, et al. (2020) Resveratrol promotes osteogenesis and alleviates osteoporosis by inhibiting p53. Aging, 12(11), 10359.

Chu X, et al. (2020) Tomatidine suppresses inflammation in primary articular chondrocytes and attenuates cartilage degradation in osteoarthritic rats. Aging, 12(13), 12799.

Zhu W, et al. (2020) The Potential of Food Protein-Derived Bioactive Peptides against Chronic Intestinal Inflammation. Mediators of inflammation, 2020, 6817156.

Lambertsen KL, et al. (2019) Post-stroke inflammation-target or tool for therapy? Acta neuropathologica, 137(5), 693.

Zabkiewicz C, et al. (2017) Bone morphogenetic proteins, breast cancer, and bone metastases: striking the right balance. Endocrine-related cancer, 24(10), R349.

Worth AP, et al. (2017) Virtual Cell Based Assay simulations of intra-mitochondrial concentrations in hepatocytes and cardiomyocytes. Toxicology in vitro : an international journal published in association with BIBRA, 45(Pt 2), 222.

Elmesmari A, et al. (2016) MicroRNA-155 regulates monocyte chemokine and chemokine receptor expression in Rheumatoid Arthritis. Rheumatology (Oxford, England), 55(11), 2056.

Landén NX, et al. (2016) Transition from inflammation to proliferation: a critical step during wound healing. Cellular and molecular life sciences : CMLS, 73(20), 3861.

Lavender N, et al. (2015) Evaluation of Oxidative Stress Response Related Genetic Variants, Pro-oxidants, Antioxidants and Prostate Cancer. AIMS medical science, 2(4), 271.

Xu J, et al. (2015) Striatal-enriched protein tyrosine phosphatase regulates the PTP?/Fyn signaling pathway. Journal of neurochemistry, 134(4), 629.

Frantzi M, et al. (2014) Clinical proteomic biomarkers: relevant issues on study design & technical considerations in biomarker development. Clinical and translational medicine, 3(1), 7.