

Resource Summary Report

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Northwestern University Recombinant Protein Production Core Facility

RRID:SCR_017872

Type: Tool

Proper Citation

Northwestern University Recombinant Protein Production Core Facility
(RRID:SCR_017872)

Resource Information

URL: <http://rppc.mccormick.northwestern.edu/>

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Description: Core provides quality controlled recombinant proteins. rPPC operates based on the two service models: Training model where Northwestern researchers use specialized bioreactor systems and participate in hands-on-training activities and Production model where staff carry out expression (mg to gm scale) and purification of recombinant or synthetic biologics, including potential therapeutic proteins and peptides, among others. Main focus of rPPC is to be user-facility; facility has parallel bioreactor systems for multiplexed lab-scale cultivation of microbial, insect, and mammalian cells. rPPC also serves as a production facility, providing low-cost recombinant biologics for researchers at Northwestern University. Services include:

TRANSFECTION/TRANSFORMATION, ANALYTICAL (SMALL SCALE) EXPRESSION IN E. COLI AND MAMMALIAN CELLS, PROTEIN EXPRESSION IN E. COLI (LARGE SCALE), PROTEIN EXPRESSION IN MAMMALIAN CELL SYSTEM (LARGE SCALE), PROTEIN EXPRESSION IN INSECT CELL SYSTEM, GENERATION OF MOUSE HYBRIDOMA, PRODUCING MONOCLONAL ANTIBODIES, per one fusion, RESCUING AND CULTIVATING EUKARYOTIC CELLS, DOWNSTREAM PROCESSING OF GROWN CULTURE (BEFORE PROTEIN PURIFICATION), RECOMBINANT PROTEIN PURIFICATION, TAG CLEAVAGE WITH TEV. PROTEASE, LARGE SCALE mAb PRODUCTION, DNA PLASMID PROPAGATION AND PURIFICATION, SDS-PAGE ANALYSIS, WESTERN BLOT ANALYSIS, INSTRUMENT TIME SHARING TECHNICAL/INSTRUMENT ASSISTANCE TIME, PROTEIN RECOVERING FROM INCLUSION BODIES.

Abbreviations: rPPC

Synonyms: Recombinant Protein Production Core

Resource Type: access service resource, core facility, service resource

Keywords: Recombinant, protein, production, training, bioreactor, therapeutic, peptide, cultivation, microbial, insect, mammalian, cell, transfection, transformation, mouse, hybridoma, monoclonal, antibody, purification, DNA, plasmid, SDS-PAGE, Western, Blot, service, core, ABRF

Availability: Open

Resource Name: Northwestern University Recombinant Protein Production Core Facility

Resource ID: SCR_017872

Alternate IDs: ABRF_716

Record Creation Time: 20220129T080337+0000

Record Last Update: 20260905T133414+0000

Ratings and Alerts

No rating or validation information has been found for Northwestern University Recombinant Protein Production Core Facility.

No alerts have been found for Northwestern University Recombinant Protein Production Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Lyra-Leite DM, et al. (2021) An updated protocol for the cost-effective and weekend-free culture of human induced pluripotent stem cells. STAR protocols, 2(1), 100213.

Kuo HH, et al. (2020) Negligible-Cost and Weekend-Free Chemically Defined Human iPSC Culture. Stem cell reports, 14(2), 256.