# **Resource Summary Report**

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# MRC Protein Phosphorylation and Ubiquitylation Unit MRC PPU Reagents and Services Core Facility

RRID:SCR\_023283 Type: Tool

#### **Proper Citation**

MRC Protein Phosphorylation and Ubiquitylation Unit MRC PPU Reagents and Services Core Facility (RRID:SCR\_023283)

#### **Resource Information**

URL: https://mrcppureagents.dundee.ac.uk/

**Proper Citation:** MRC Protein Phosphorylation and Ubiquitylation Unit MRC PPU Reagents and Services Core Facility (RRID:SCR\_023283)

**Description:** Focused on cell signalling pathways, provides access to reagents and services involving kinase and ubiquitin targets and associated substrates and interacting proteins. Provides expertise and assistance in projects development. Offers services for protein generation and antibody development.

**Synonyms:** MRC PPU Reagents and Services, MRC Protein Phosphorylation and Ubiquitylation Unit MRC PPU Reagents and Services

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

**Keywords:** USEDit, ABRF, cell signalling pathways, reagents and services, kinase, ubiquitin targets, protein generation, antibody development,

Funding:

Availability: Open

**Resource Name:** MRC Protein Phosphorylation and Ubiquitylation Unit MRC PPU Reagents and Services Core Facility

Resource ID: SCR\_023283

Alternate IDs: ABRF\_1687

Alternate URLs: https://coremarketplace.org/?FacilityID=1687&citation=1

**Record Creation Time:** 20230216T050210+0000

Record Last Update: 20250501T081705+0000

## **Ratings and Alerts**

No rating or validation information has been found for MRC Protein Phosphorylation and Ubiquitylation Unit MRC PPU Reagents and Services Core Facility.

No alerts have been found for MRC Protein Phosphorylation and Ubiquitylation Unit MRC PPU Reagents and Services Core Facility.

#### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 25 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Brewer A, et al. (2024) Mapping the substrate landscape of protein phosphatase 2A catalytic subunit PPP2CA. iScience, 27(3), 109302.

Koch I, et al. (2024) USP27X variants underlying X-linked intellectual disability disrupt protein function via distinct mechanisms. Life science alliance, 7(3).

Brewer A, et al. (2024) Targeted dephosphorylation of SMAD3 as an approach to impede TGF-? signaling. iScience, 27(8), 110423.

Raimi OG, et al. (2024) Mechanism of human PINK1 activation at the TOM complex in a reconstituted system. Science advances, 10(23), eadn7191.

Snelling T, et al. (2024) Measurement of the Activity of Wildtype and Disease-Causing ALPK1 Mutants in Transfected Cells With a 96-Well Format NF-?B/AP-1 Reporter Assay. Bio-protocol, 14(22), e5113.

Szulc NA, et al. (2024) DEGRONOPEDIA: a web server for proteome-wide inspection of degrons. Nucleic acids research, 52(W1), W221.

Abdul Rehman SA, et al. (2024) Discovery and characterization of noncanonical E2-

conjugating enzymes. Science advances, 10(13), eadh0123.

Makhlouf L, et al. (2024) The UFM1 E3 ligase recognizes and releases 60S ribosomes from ER translocons. Nature, 627(8003), 437.

Sanchez-Lopez I, et al. (2024) STIM1 translocation to the nucleus protects cells from DNA damage. Nucleic acids research, 52(5), 2389.

Polo Rivera C, et al. (2024) CMG helicase disassembly is essential and driven by two pathways in budding yeast. The EMBO journal, 43(18), 3818.

Lange SM, et al. (2024) VCP/p97-associated proteins are binders and debranching enzymes of K48-K63-branched ubiquitin chains. Nature structural & molecular biology, 31(12), 1872.

Phung TK, et al. (2024) CURTAIN-A unique web-based tool for exploration and sharing of MS-based proteomics data. Proceedings of the National Academy of Sciences of the United States of America, 121(7), e2312676121.

Traynor R, et al. (2024) Design and high-throughput implementation of MALDI-TOF/MSbased assays for Parkin E3 ligase activity. Cell reports methods, 4(2), 100712.

Bandi V, et al. (2024) RLIM-specific activity reporters define variant pathogenicity in Tonne-Kalscheuer syndrome. HGG advances, 6(1), 100378.

Tejwani V, et al. (2024) PROTAC-mediated conditional degradation of the WRN helicase as a potential strategy for selective killing of cancer cells with microsatellite instability. Scientific reports, 14(1), 20824.

Snelling T, et al. (2024) Quantitative Measurement of the Kinase Activity of Wildtype ALPK1 and Disease-Causing ALPK1 Mutants Using Cell-Free Radiometric Phosphorylation Assays. Bio-protocol, 14(22), e5124.

Gregorczyk M, et al. (2023) Functional characterization of C210RF2 association with the NEK1 kinase mutated in human in diseases. Life science alliance, 6(7).

Fasimoye R, et al. (2023) Golgi-IP, a tool for multimodal analysis of Golgi molecular content. Proceedings of the National Academy of Sciences of the United States of America, 120(20), e2219953120.

Xia Y, et al. (2023) DNSN-1 recruits GINS for CMG helicase assembly during DNA replication initiation in Caenorhabditis elegans. Science (New York, N.Y.), 381(6664), eadi4932.

Hanna JC, et al. (2023) Mode of action studies confirm on-target engagement of lysyl-tRNA synthetase inhibitor and lead to new selection marker for Cryptosporidium. Frontiers in cellular and infection microbiology, 13, 1236814.