Resource Summary Report

Generated by NIF on Sep 4, 2026

pEGFP-Q74

RRID:Addgene_40262
Type: Plasmid

Proper Citation

RRID:Addgene_40262

Plasmid Information

URL: http://www.addgene.org/40262

Proper Citation: RRID:Addgene_40262

Insert Name: HTT partial exon 1 Q74

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: PMID:10528852

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4700; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pEGFP-Q74

Relevant Mutation: expanded poly-Q

Record Creation Time: 20220422T222209+0000

Record Last Update: 20260902T045414+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP-Q74.

No alerts have been found for pEGFP-Q74.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 53 mentions in open access literature.

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

Stein D, et al. (2026) SIRT6 Regulates Protein Synthesis and Folding Through Nucleolar Remodeling. Aging cell, 25(2), e70384.

Yuan C, et al. (2026) Berbamine improves behavioral impairments in Huntington's disease mice models through inhibiting Src/AKT1/NF??B signaling pathway and attenuating Src-mediated mitophagy suppression. International immunopharmacology, 186, 117092.

Cai J, et al. (2025) Endothelial NLRP3-mediated pyroptosis induces blood-brain barrier and neuronal damage in Huntington's disease models. Journal of pharmacological sciences, 159(4), 256.

Sun R, et al. (2025) In situ secondary structure imaging of protein phase separation and aggregation by hyperspectral stimulated Raman scattering microscopy. Nature communications, 16(1), 8552.

Zorbas C, et al. (2024) Detecting material state changes in the nucleolus by label-free digital holographic microscopy. EMBO reports, 25(6), 2786.

Belkozhayev A, et al. (2024) Differential microRNA expression in the SH-SY5Y human cell model as potential biomarkers for Huntington's disease. Frontiers in cellular neuroscience, 18, 1399742.

Brokowska J, et al. (2024) Isothiocyanates induce autophagy and inhibit protein synthesis in primary cells via modulation of AMPK-mTORC1-S6K1 signaling pathway, and protect against mutant huntingtin aggregation. European journal of nutrition, 64(1), 46.

Sun H, et al. (2024) Gastrodin Improves the Activity of the Ubiquitin-Proteasome System and the Autophagy-Lysosome Pathway to Degrade Mutant Huntingtin. International journal of molecular sciences, 25(14).

Martin-Solana E, et al. (2024) Progressive alterations in polysomal architecture and activation of ribosome stalling relief factors in a mouse model of Huntington's disease. Neurobiology of disease, 195, 106488.

Joshi BS, et al. (2023) Preparation of chaperone-loaded neural stem cell-derived extracellular vesicles to reduce protein aggregation in Huntington's disease cellular models. STAR protocols, 4(1), 102134.

Haver HN, et al. (2023) Mechanistic Insight into the Suppression of Polyglutamine Aggregation by SRCP1. ACS chemical biology, 18(3), 549.

Mansky RH, et al. (2023) Tumor suppressor p53 regulates heat shock factor 1 protein degradation in Huntington's disease. Cell reports, 42(3), 112198.

Llamas E, et al. (2023) In planta expression of human polyQ-expanded huntingtin fragment reveals mechanisms to prevent disease-related protein aggregation. Nature

aging, 3(11), 1345.

Pereira CAS, et al. (2023) NAADP-Evoked Ca2+ Signaling Leads to Mutant Huntingtin Aggregation and Autophagy Impairment in Murine Astrocytes. International journal of molecular sciences, 24(6).

Lee DSW, et al. (2023) Size distributions of intracellular condensates reflect competition between coalescence and nucleation. Nature physics, 19(4), 586.

Na D, et al. (2023) A multi-layered network model identifies Akt1 as a common modulator of neurodegeneration. Molecular systems biology, 19(12), e11801.

Watabe K, et al. (2022) Praja1 RING-finger E3 ubiquitin ligase is a common suppressor of neurodegenerative disease-associated protein aggregation. Neuropathology : official journal of the Japanese Society of Neuropathology, 42(6), 488.

Joshi BS, et al. (2022) DNAJB6-Containing Extracellular Vesicles as Chaperone Delivery Systems: A Proteomic Analysis. Pharmaceutics, 14(11).

Peinado JR, et al. (2022) Sequestration of TDP-43216-414 Aggregates by Cytoplasmic Expression of the proSAAS Chaperone. ACS chemical neuroscience, 13(11), 1651.

Palminha NM, et al. (2022) Defective repair of topoisomerase I induced chromosomal damage in Huntington's disease. Cellular and molecular life sciences : CMLS, 79(3), 160.