

Resource Summary Report

Generated by [dkNET](#) on Jul 31, 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: 20260725T074642+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 51 mentions in open access literature.

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

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.

Belkoshayev 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.

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

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.

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

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

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).

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.

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

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

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.

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

Qiu WQ, et al. (2022) Polygala saponins inhibit NLRP3 inflammasome-mediated neuroinflammation via SHP-2-Mediated mitophagy. *Free radical biology & medicine*, 179, 76.

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.

Ahat E, et al. (2022) GRASP55 regulates the unconventional secretion and aggregation of mutant huntingtin. *The Journal of biological chemistry*, 298(8), 102219.