

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

[pEGFP-Q23](#)

RRID:Addgene_40261

Type: Plasmid

Proper Citation

RRID:Addgene_40261

Plasmid Information

URL: <http://www.addgene.org/40261>

Proper Citation: RRID:Addgene_40261

Insert Name: HTT partial exon 1 Q23

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-Q23

Relevant Mutation: expanded poly-Q

Record Creation Time: 20220422T222209+0000

Record Last Update: 20260815T081435+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP-Q23.

No alerts have been found for pEGFP-Q23.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

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

Kaur J, et al. (2025) Pharmacological Regulation of Heat Shock Response via Aptamer-Antidote Couple. *ACS chemical neuroscience*, 16(11), 2024.

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.

Luis-Ravelo D, et al. (2025) Dopamine Receptor D3 Induces Transient, mTORC1-Dependent Autophagy That Becomes Persistent, AMPK-Mediated, and Neuroprotective in Experimental Models of Huntington's Disease. *Cells*, 14(9).

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.

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.

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).

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

Jain S, et al. (2023) Aptamer Reduces Aggregation of Mutant Huntingtin and Rescues Proteostasis Network in Non-Neuronal and Neuronal Cells. *ACS chemical neuroscience*, 14(12), 2385.

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.

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.

de Armas-Rillo S, et al. (2021) Random Lasing Detection of Mutant Huntingtin Expression in Cells. *Sensors (Basel, Switzerland)*, 21(11).

Glaser T, et al. (2021) ATP and spontaneous calcium oscillations control neural stem cell fate determination in Huntington's disease: a novel approach for cell clock research. *Molecular psychiatry*, 26(6), 2633.

Aravindan S, et al. (2020) Osmolytes dynamically regulate mutant Huntingtin aggregation and CREB function in Huntington's disease cell models. *Scientific reports*, 10(1), 15511.

Kim Guisbert KS, et al. (2020) Titration of SF3B1 Activity Reveals Distinct Effects on the Transcriptome and Cell Physiology. *International journal of molecular sciences*, 21(24).

Sarraf SA, et al. (2020) Loss of TAX1BP1-Directed Autophagy Results in Protein Aggregate Accumulation in the Brain. *Molecular cell*, 80(5), 779.

Echeverria PC, et al. (2019) The sensitivity to Hsp90 inhibitors of both normal and oncogenically transformed cells is determined by the equilibrium between cellular quiescence and activity. *PloS one*, 14(2), e0208287.

Pinho BR, et al. (2019) Mitochondrial superoxide generation induces a parkinsonian phenotype in zebrafish and huntingtin aggregation in human cells. *Free radical biology & medicine*, 130, 318.

Chen JY, et al. (2018) Heat shock promotes inclusion body formation of mutant huntingtin (mHtt) and alleviates mHtt-induced transcription factor dysfunction. *The Journal of biological chemistry*, 293(40), 15581.