Resource Summary Report

Generated by dkNET on Aug 17, 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 dkNET .

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.