

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

Braf

RRID:Addgene_40775

Type: Plasmid

Proper Citation

RRID:Addgene_40775

Plasmid Information

URL: <http://www.addgene.org/40775>

Proper Citation: RRID:Addgene_40775

Insert Name: Braf

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27870838](#)

Vector Backbone Description: Backbone Size:5600; Vector Backbone:pcDNA3.1-Hygro; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: Braf

Relevant Mutation: Starting Met removed

Record Creation Time: 20220422T222211+0000

Record Last Update: 20260815T081438+0000

Ratings and Alerts

No rating or validation information has been found for Braf.

No alerts have been found for Braf.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Go JM, et al. (2026) Real-Time Visualization of Isoform-Specific RAF-KRAS Interactions in Living Cells Using FRET-BRET Hybrid Biosensors. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(23), e15654.

Yokoi R, et al. (2025) Single-molecule imaging quantifies oncogenic KRAS dynamics for enhanced accuracy of therapeutic efficacy assessment. *iScience*, 28(9), 113374.

Green BL, et al. (2022) Novel GLCCI1-BRAF fusion drives kinase signaling in a case of pheochromocytomatosis. *European journal of endocrinology*, 187(1), 185.

Biavasco R, et al. (2021) Oncogene-induced senescence in hematopoietic progenitors features myeloid restricted hematopoiesis, chronic inflammation and histiocytosis. *Nature communications*, 12(1), 4559.

Nagasawa I, et al. (2020) Disrupting ATF4 Expression Mechanisms Provides an Effective Strategy for BRAF-Targeted Melanoma Therapy. *iScience*, 23(4), 101028.

Surve SV, et al. (2019) Localization dynamics of endogenous fluorescently labeled RAF1 in EGF-stimulated cells. *Molecular biology of the cell*, 30(4), 506.

Mohsen MG, et al. (2019) Polymerase synthesis of four-base DNA from two stable dimeric nucleotides. *Nucleic acids research*, 47(18), 9495.

Alriquet M, et al. (2019) Assembly of Proteins by Free RNA during the Early Phase of Proteostasis Stress. *Journal of proteome research*, 18(7), 2835.

Chen M, et al. (2019) The atypical MAPK ERK3 potently suppresses melanoma cell growth and invasiveness. *Journal of cellular physiology*, 234(8), 13220.

Wang X, et al. (2019) BRAFV600E-induced KRT19 expression in thyroid cancer promotes lymph node metastasis via EMT. *Oncology letters*, 18(1), 927.

Rad Pour S, et al. (2019) Exhaustion of CD4+ T-cells mediated by the Kynurenine Pathway in Melanoma. *Scientific reports*, 9(1), 12150.

Röck R, et al. (2019) BRAF inhibitors promote intermediate BRAF(V600E) conformations and binary interactions with activated RAS. *Science advances*, 5(8), eaav8463.

Sengupta S, et al. (2018) Integrative omics analyses broaden treatment targets in human cancer. *Genome medicine*, 10(1), 60.

Cope N, et al. (2018) Mechanism of BRAF Activation through Biochemical Characterization of the Recombinant Full-Length Protein. *Chembiochem : a European journal of chemical biology*, 19(18), 1988.

Martínez-Limón A, et al. (2016) Recognition of enzymes lacking bound cofactor by protein quality control. *Proceedings of the National Academy of Sciences of the United States of America*, 113(43), 12156.

Peng H, et al. (2015) Methionine adenosyltransferase 2B-GIT1 complex serves as a scaffold to regulate Ras/Raf/MEK1/2 activity in human liver and colon cancer cells. *The American journal of pathology*, 185(4), 1135.

Chakraborty R, et al. (2014) Mutually exclusive recurrent somatic mutations in MAP2K1 and BRAF support a central role for ERK activation in LCH pathogenesis. *Blood*, 124(19), 3007.