

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

Flag-hCRM1

RRID:Addgene_17647

Type: Plasmid

Proper Citation

RRID:Addgene_17647

Plasmid Information

URL: <http://www.addgene.org/17647>

Proper Citation: RRID:Addgene_17647

Insert Name: CRM1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16041368](#)

Vector Backbone Description: Backbone Marker:Sigma; Backbone Size:6400; Vector Backbone:p3xFLAG CMV-10; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: Flag-hCRM1

Record Creation Time: 20220422T222019+0000

Record Last Update: 20260815T081059+0000

Ratings and Alerts

No rating or validation information has been found for Flag-hCRM1.

No alerts have been found for Flag-hCRM1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Glossop MS, et al. (2024) TIRR regulates mRNA export and association with P-bodies in response to DNA damage. *Nucleic acids research*, 52(20), 12633.

Zhu B, et al. (2024) The balance between nuclear import and export of NLRC5 regulates MHC class I transactivation. *The Journal of biological chemistry*, 300(5), 107205.

Kung JE, et al. (2019) The pseudokinase TRIB1 toggles an intramolecular switch to regulate COP1 nuclear export. *The EMBO journal*, 38(4).

Cruz-Ramos E, et al. (2019) Differential expression and molecular interactions of chromosome region maintenance 1 and calreticulin exportins in breast cancer cells. *The Journal of steroid biochemistry and molecular biology*, 185, 7.

Sobuz SU, et al. (2019) SIRT7 regulates the nuclear export of NF- κ B p65 by deacetylating Ran. *Biochimica et biophysica acta. Molecular cell research*, 1866(9), 1355.

Han T, et al. (2019) Interplay between c-Src and the APC/C co-activator Cdh1 regulates mammary tumorigenesis. *Nature communications*, 10(1), 3716.

Archbold HC, et al. (2018) TDP43 nuclear export and neurodegeneration in models of amyotrophic lateral sclerosis and frontotemporal dementia. *Scientific reports*, 8(1), 4606.

Knittle AM, et al. (2017) SUMOylation regulates nuclear accumulation and signaling activity of the soluble intracellular domain of the ErbB4 receptor tyrosine kinase. *The Journal of biological chemistry*, 292(48), 19890.

Khalil H, et al. (2015) The caspase-3-p120-RasGAP module generates a NF- κ B repressor in response to cellular stress. *Journal of cell science*, 128(18), 3502.

Pentecost M, et al. (2015) Evidence for ubiquitin-regulated nuclear and subnuclear trafficking among Paramyxovirinae matrix proteins. *PLoS pathogens*, 11(3), e1004739.

Corum DG, et al. (2014) AKT3 controls mitochondrial biogenesis and autophagy via regulation of the major nuclear export protein CRM-1. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 28(1), 395.

Dave S, et al. (2014) Nuclear MEK1 sequesters PPAR γ and bisects MEK1/ERK signaling: a non-canonical pathway of retinoic acid inhibition of adipocyte differentiation. *PloS one*, 9(6), e100862.

Maiuri T, et al. (2013) The huntingtin N17 domain is a multifunctional CRM1 and Ran-dependent nuclear and cilia export signal. *Human molecular genetics*, 22(7), 1383.

Beckham TH, et al. (2013) Acid ceramidase promotes nuclear export of PTEN through sphingosine 1-phosphate mediated Akt signaling. *PloS one*, 8(10), e76593.