

Resource Summary Report

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

FLAG-Stx17

RRID:Addgene_45911

Type: Plasmid

Proper Citation

RRID:Addgene_45911

Plasmid Information

URL: <http://www.addgene.org/45911>

Proper Citation: RRID:Addgene_45911

Insert Name: Syntaxin 17

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23217709](#)

Vector Backbone Description: Backbone Size:6400; Vector Backbone:CMV10 FLAG;
Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: FLAG-Stx17

Record Creation Time: 20220422T222237+0000

Record Last Update: 20260815T081527+0000

Ratings and Alerts

No rating or validation information has been found for FLAG-Stx17.

No alerts have been found for FLAG-Stx17.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Mukherjee R, et al. (2025) Phosphoribosyl ubiquitination of SNARE proteins regulates autophagy during Legionella infection. The EMBO journal, 44(15), 4252.

Chou HY, et al. (2021) PTPN9-mediated dephosphorylation of VTI1B promotes ATG16L1 precursor fusion and autophagosome formation. Autophagy, 17(10), 2750.

Janssen AFJ, et al. (2021) Direct observation of aggregate-triggered selective autophagy in human cells. Journal of cell science, 134(19).

Aivazidis S, et al. (2019) SNARE proteins rescue impaired autophagic flux in Down syndrome. PloS one, 14(11), e0223254.

Machihara K, et al. (2019) BAP31 Inhibits Cell Adaptation to ER Stress Conditions, Negatively Regulating Autophagy Induction by Interaction with STX17. Cells, 8(11).

Xian H, et al. (2019) STX17 dynamically regulated by Fis1 induces mitophagy via hierarchical macroautophagic mechanism. Nature communications, 10(1), 2059.

Njomen E, et al. (2019) Regulation of Autophagic Flux by the 20S Proteasome. Cell chemical biology, 26(9), 1283.

Corona AK, et al. (2018) Enteroviruses Remodel Autophagic Trafficking through Regulation of Host SNARE Proteins to Promote Virus Replication and Cell Exit. Cell reports, 22(12), 3304.

Kondo H, et al. (2017) Mutation in VPS33A affects metabolism of glycosaminoglycans: a new type of mucopolysaccharidosis with severe systemic symptoms. Human molecular genetics, 26(1), 173.

Jia R, et al. (2017) BORC coordinates encounter and fusion of lysosomes with autophagosomes. Autophagy, 13(10), 1648.

McLelland GL, et al. (2016) Syntaxin-17 delivers PINK1/parkin-dependent mitochondrial vesicles to the endolysosomal system. The Journal of cell biology, 214(3), 275.

Hubert V, et al. (2016) LAMP-2 is required for incorporating syntaxin-17 into autophagosomes and for their fusion with lysosomes. Biology open, 5(10), 1516.

Tan X, et al. (2016) PtdIns(4,5)P2 signaling regulates ATG14 and autophagy. Proceedings of the National Academy of Sciences of the United States of America, 113(39), 10896.