

# Resource Summary Report

Generated by [kravitz2](#) on Aug 9, 2026

## CMV-hEAAT2

RRID:Addgene\_32814

Type: Plasmid

### Proper Citation

RRID:Addgene\_32814

### Plasmid Information

**URL:** <http://www.addgene.org/32814>

**Proper Citation:** RRID:Addgene\_32814

**Insert Name:** hEAAT2

**Organism:** Homo sapiens

**Bacterial Resistance:** Ampicillin

**Vector Backbone Description:** Backbone Size:4700; Vector Backbone:pCMV5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

**Plasmid Name:** CMV-hEAAT2

**Record Creation Time:** 20220422T222142+0000

**Record Last Update:** 20260808T081539+0000

### Ratings and Alerts

No rating or validation information has been found for CMV-hEAAT2.

No alerts have been found for CMV-hEAAT2.

### Data and Source Information

**Source:** [Addgene](#)

### Usage and Citation Metrics

We found 7 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Iovino L, et al. (2022) Trafficking of the glutamate transporter is impaired in LRRK2-related Parkinson's disease. *Acta neuropathologica*, 144(1), 81.

Jiang LL, et al. (2019) Membralin deficiency dysregulates astrocytic glutamate homeostasis leading to ALS-like impairment. *The Journal of clinical investigation*, 129(8), 3103.

Fontana ACK, et al. (2018) Protocols for Measuring Glutamate Uptake: Dose-Response and Kinetic Assays in In Vitro and Ex Vivo Systems. *Current protocols in pharmacology*, 82(1), e45.

Zoltowska KM, et al. (2018) Novel interaction between Alzheimer's disease-related protein presenilin 1 and glutamate transporter 1. *Scientific reports*, 8(1), 8718.

Keller JP, et al. (2016) The Oscillating Stimulus Transporter Assay, OSTA: Quantitative Functional Imaging of Transporter Protein Activity in Time and Frequency Domains. *Molecular cell*, 64(1), 199.

Vagner T, et al. (2016) Systemic application of AAV vectors targeting GFAP-expressing astrocytes in Z-Q175-KI Huntington's disease mice. *Molecular and cellular neurosciences*, 77, 76.

Afzalov R, et al. (2013) Low micromolar Ba(2+) potentiates glutamate transporter current in hippocampal astrocytes. *Frontiers in cellular neuroscience*, 7, 135.