

HEK293T GAT1 (SLC6A1) Cell Line

Catalog # C1104

Category	Specification
Product Details	
Description and Intended Use	A stable, recombinant HEK cell line overexpressing human GABA transporter 1 (GAT1) for identifying modulators of human GAT1 activity
Host	HEK293T
Freezing Medium	Bambanker® Serum-Free Freezing Medium
Recommended Cell Culture Media ¹	Advanced MEM with 5% FBS, 1X GlutaMAX™, and 3 µg/mL Puromycin
Storage Temperature(s)	Short Term: -80°C (product ships in dry ice pellets) Long Term: -150°C to -200°C
Container	Polypropylene, Cryogenic Vial (rated for LN ₂ vapor phase storage only)
Product Contents	
Average Cell Suspension Volume/Vial	≥ 0.9 and ≤ 1.1 mL
Average Cell Count/Vial	> 2.0 x 10 ⁶
Sterility	
PCR Mycoplasma Testing ²	Not Detected
Viability	
Post-thaw Cell Viability	> 95%
Post-thaw Growth to Confluence	Confluence reached within 3 days in a T75 flask
Guaranteed Usage	> 10 passages
Biology	
GAT1 (SLC6A1) Transporter Function	GABA uptake response tested by Sodium-dependent SLC Transporter Assay ³

1— See product Protocol for detailed cell recovery and cell culture methods, available on the product webpage

2— ATCC PCR-based Mycoplasma Detection Service used for sterility specification

3— Check out ION Biosciences' [Sodium-dependent SLC Transporter Assay Kit \(Cat# 8000\)](#) available in 2 and 10-plate sizes