ION BIOSCIENCES

Product Specifications

HEK293 - huK$_{ir}$3.1/3.2 Cell Line

Catalog # C1101

Category	Specification
Product Details	
Description and Intended Use	A stable HEK cell line overexpressing GIRK potassium channels for studying Kir3.1/3.2 pharmacology and Gi/o GPCRs.
Host	HEK293
Freezing Medium	Bambanker serum free freezing medium
Recommended Cell Culture Media[1]	Advanced MEM with 5% FBS, 1X GlutaMAX, 5 µg/mL Blasticidin, 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	> 98%
Post-thaw Growth to Confluence	Confluence reached within 3 days in a T75 flask
Guaranteed Usage	> 10 passages
Biology	
huK$_{ir}$3.1/3.2 Channel Function	Potassium channel inhibitor response tested by Thallium Flux Assay

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