

Product Name: Human iPSC-Derived Cerebral Organoids

Cat. No.: RONO-2603-CXX-063

Description: Human iPSC-derived cerebral organoids are generated from hESCs or iPSCs using a directed differentiation kit.

Product Details

Species	Human
Product Type	iPSC-derived Organoid
Quality Control	Negative for mycoplasma, bacteria, yeast, and fungi.
Disease	Normal
Organoid Characterization	These 3D <i>in vitro</i> models effectively replicate the cellular composition and laminar structure of the human cerebral cortex. Within the first 100 days of differentiation, they predominantly contain glutamatergic, GABAergic, and dopaminergic neurons.

Application

These organoids are valuable for modeling neurodegenerative processes, including responses to PFF-induced toxicity, and for Alzheimer's disease research.

Storage & Handling

Storage	Liquid Nitrogen
Shipping Information	Dry Ice

⚠ For preclinical research and development use only; not intended for therapeutic or other applications.