

**Product Name:** Human iPSC-Derived Mature Cerebral Organoids 100 day+

**Cat. No.:** RONO-2603-CXX-064

**Description:** Human iPSC-derived cerebral organoids (100+ days) are generated from hESCs or iPSCs using a directed differentiation kit.

### Product Details

<b>Species</b>	Human
<b>Product Type</b>	iPSC-derived Organoid
<b>Quality Control</b>	Negative for mycoplasma, bacteria, yeast, and fungi.
<b>Disease</b>	Normal
<b>Organoid Characterization</b>	These 3D <i>in vitro</i> models faithfully replicate the cellular composition and laminar architecture of the human cerebral cortex (layers II-VI). They express a diverse range of neuronal subtypes, including glutamatergic, GABAergic, and dopaminergic neurons, as well as glial populations such as oligodendrocytes and astrocytes.

### Application

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

### Storage & Handling

<b>Storage</b>	Liquid Nitrogen
<b>Shipping Information</b>	Dry Ice

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