

The LINTERNA cell lines have been genetically modified to express turboGFP (tGFP), a green fluorescent protein. The turboGFP is derived from the copepod *Pontellina plumata*. This GFP variant is engineered for enhanced brightness and stability, making it suitable for a wide range of fluorescence-based applications in biological research.

The fluorescent properties of the turboGFP expression include an excitation wavelength of 482 nm and an emission wavelength of 502 nm, resulting in a bright green fluorescence ideal for various imaging applications.

LINTERNA cell lines are suitable for a variety of applications, including fluorescence microscopy and imaging, cell tracking and localization studies, high-throughput screening assays, and live cell analysis.

# LINTERNA RKO

## GREEN FLUORESCENT CELL LINES

**Product Name:** Linterna RKO cell line

**Reference:** P20135

**Host Cell:** RKO

**Resistance:** Geneticin

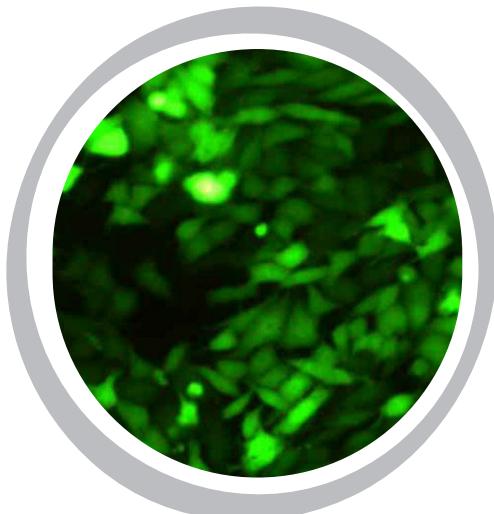
**Quantity:** > 3x10<sup>6</sup> cells/vial

**Storage:** Liquid Nitrogen



### About RKO

The RKO cell line, derived from a human colon carcinoma, is a widely utilized model in cancer research, particularly for studying colorectal cancer. Established from a tumor in a 59-year-old male patient, RKO cells exhibit an epithelial morphology and maintain several characteristics of the original tumor, including the expression of various cancer-associated biomarkers. These cells are valuable for investigating the molecular mechanisms of colorectal cancer progression, including tumor growth, metastasis, and drug resistance. RKO cells are commonly used in research focused on gene expression, signaling pathways, and the effects of therapeutic agents on colorectal cancer. Their ability to form tumors in xenograft models and their well-characterized growth properties make RKO cells an essential tool for developing new cancer treatments and advancing our understanding of colorectal cancer biology.



**Use Restriction:** This product contains a proprietary nucleic acid coding for a proprietary fluorescent protein intended to be used for research purposes only. No rights are conveyed to modify or clone the gene encoding fluorescent protein contained in this product, or to use the gene or protein other than for non-commercial research, including use for validation or screening compounds. For information on commercial licensing, contact Licensing Department, Evrogen JSC, email: [license@evrogen.com](mailto:license@evrogen.com)