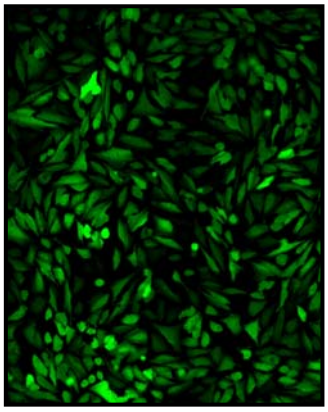
REF: P20116

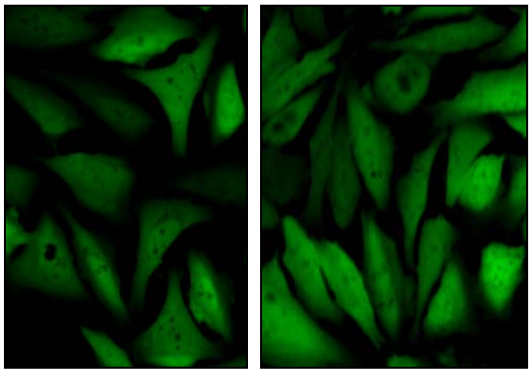
LINTERNA™ CELL LINES

GREEN FLUORESCENT U2OS CELLS



Product Name:	LINTERNA™ – U2OS Cell line
Catalog Number:	P20116
Cell Line:	U2OS
Fluorescent Protein:	turboGFP
Resistance:	Puromycin
Format:	>3x10^6 cells in Cryopreserved vials
Storage:	Liquid Nitrogen

A novel green fluorescent U-2 OS cell line has been developed through stable transfection with turboGFP protein. This cell line expresses green fluorescent protein as a free cytoplasmatic protein.



TurboGFP U-2 OS cell line is stably-transfected and it is ready to use in cell-based assay applications. This stably transfected cell line provides consistent levels of expression, which helps to simplify the interpretation of the results. This cell line is intended to be used as an "in vitro" model for research studies.

About U-2 OS Cell line

The U2OS cell line, originally known as the 2T line, was cultivated from the bone tissue of a fifteen-year-old human female suffering from osteosarcoma. Established in 1964, the original cells were taken from a moderately differentiated sarcoma of the tibia. U2OS cells exhibit epithelial adherent morphology.

The human osteosarcoma U2OS cell line is one of the first generated cell lines and is used in various areas of biomedical research. Proteins expressed by U2OS cell line include 11 protooncogenes (FKBP4, SRC8, PSD10, FUBP1, PARK7, NPM, PDIA1, OXRP, SET, TCTP and GRP75) related to the cancerous state of this cell line.

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About turboGFP protein

tGFP is an improved variant of the green fluorescent protein CopGFP cloned from copepoda Pontellina plumata (Arthropoda; Crustacea; Maxillopoda; Copepoda). It possesses bright green fluorescence (excitation/ emission max = 482/ 502 nm) that is visible earlier than fluorescence of other green fluorescent proteins. TurboGFP is mainly intended for applications where fast appearance of bright fluorescence is crucial. It is specially recommended for cell and organelle labeling and tracking the promoter activity.

Quality Control

All cells are performance assayed and test negative for mycoplasma, bacteria, yeast and fungi. Cell viability, morphology and proliferative capacity are measured after recovery from cryopreservation. Innoprot guarantees stable expression for many generations and provides support for cell culture and visualization.

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