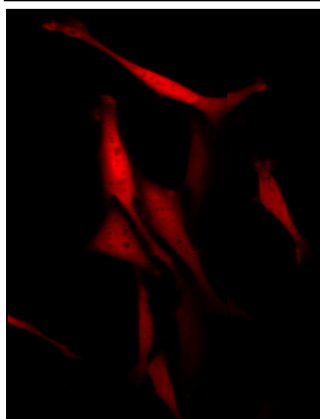


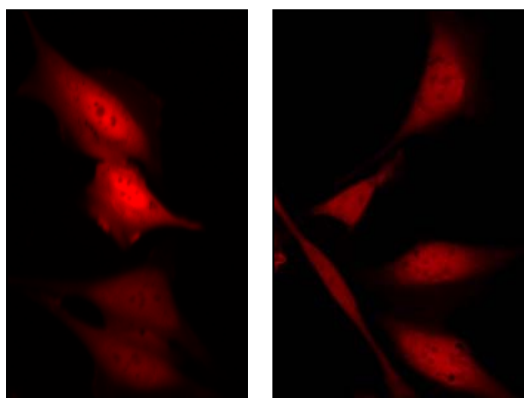
## VAMPIRO™ CELL LINES

### RED FLUORESCENT U-2 OS CELLS



<b>Product Name:</b>	VAMPIRO™ – U-2 OS Cell line
<b>Catalog Number:</b>	P20316
<b>Cell Line:</b>	Human Osteosarcoma U-2 OS
<b>Fluorescent Protein:</b>	turboFP602
<b>Resistance:</b>	Puromycin
<b>Format:</b>	>3x10 <sup>6</sup> cells in Cryopreserved vials
<b>Storage:</b>	Liquid Nitrogen

A novel red fluorescent U-2 OS cell line has been developed through stable transfection with TurboFP602 protein. This cell line expresses red fluorescent protein as a free cytoplasmatic protein.



Turbo FP602 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**

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..

**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).

### **About turboFP602 protein**

TurboFP602 protein is a red shifted variant of the red fluorescent protein TurboRFP from sea anemone *Entacmaea quadricolor* [Merzlyak et al., 2007].

TurboFP602 possesses true-red fluorescence (with excitation/emission maxima at 574/602 nm, respectively), optimal for detection via most popular filter sets, and is easily distinguished from background signals. TurboFP602 exhibits fast maturation and high pH stability.

### **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.

**THIS PRODUCT IS FOR RESEARCH PURPOSES ONLY.** It is not to be used for drug or diagnostic purposes, nor is it intended for human use. Innoprot products may not be resold, modified for resale, or used to manufacture commercial products without written approval of Innovative Technologies in Biological Systems, S.L.