TTFLUOR PRIMARY CELLS

P20236

Fibroblasts are mesenchymal cells derived from the embryonic mesoderm. They have been extensively used for a wide range of cellular and molecular studies, as they are one of the easiest types of cells to grow in culture.

In addition, their durability makes them amenable to a wide variety of manipulations ranging from studies employing gene transfection to microinjection. There is evidence showing that fibroblasts in various organs are intrinsically different.

Fibroblasts secrete a non-rigid extracellular matrix that is rich in type I and/or type III collagen. They are responsible for much of the synthesis of extracellular matrix in connective tissues and play a central role in wound healing.

RED FLUORESCENT HUMAN
COLONIC FIBROBLASTS

Product Type: Red TTFLUOR HCoF
Catalog Number: P20236
Cell Type: Human Colonic Fibroblasts
Fluorescent Protein: turboFP602
Number of cells: >5x10^5 cells (cryopreserved vials)
Storage: Liquid Nitrogen
Recommended Medium: Fibroblast Medium Kit (Ref: P60108)

Red TTFLUOR HCoF are red fluorescent human primary colonic fibroblasts, which have been developed through transfection with tFP602 expression vector into the cell genome. Cells are expressing the red fluorescent protein gene sequences as free cytoplasmatic protein.

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 posseses 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.