

Product sheet

**HEP-56.1D-56.1D | 400204**

**HEP-56.1D-56.1D | 400204**

**Description** HEP-56.1D is a cell line derived from Hep-56.1D cells. It is a continuous cell line of rat hepatoma cells. The cells are maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 10% horse serum (HS). The cells are characterized by their ability to form colonies in soft agar and their tumorigenicity in nude mice. The cells are used for the study of liver cancer and for the production of monoclonal antibodies. The cells are available from Cytion GmbH, Germany. The cells are characterized by their ability to form colonies in soft agar and their tumorigenicity in nude mice. The cells are used for the study of liver cancer and for the production of monoclonal antibodies. The cells are available from Cytion GmbH, Germany.

**Organism** Rattus norvegicus

**Tissue** Liver

**Disease** Hepatocellular carcinoma

**Synonyms** HEP-56.1D, 56.1D, 56.1D, 56.1D

**HEP-56.1D-56.1D | 400204**

**Breed/Subspecies** C57BL/6J

**Age** 1-2 weeks

**Gender** Male

**Morphology** Epithelial cells

**Growth properties** Adherent

**HEP-56.1D-56.1D | 400204**

**Citation** Hep-56.1D (ATCC CRL-1074) | 400204

**Biosafety level** 1

**NCBI\_TaxID** 10090

**CellosaurusAccession** CVCL\_5769

**HEP-56.1D-56.1D | 400204**

Product sheet

**HEP-56.1D-56.1D | 400204**

**Protein expression**      8x His-tagged 18x His-tagged

**Tumorigenic**      Tested in C57BL/6J. No tumorigenic activity observed in 5-6 weeks.

**Ploidy status**      Diploid

**Mutational profile**      P53mut C:G → G:C      132 mutations      p53 5' deletion

**Characteristics**

**Culture Medium**      DMEM 4.5g/l, 4% FBS, 3.7g/l NaHCO<sub>3</sub>, 1.0g/l penicillin (100 U/ml), 820 U/ml streptomycin

**Supplements**      10% FBS

**Dissociation Reagent**      Trypsin

**Doubling time**      25-30 hours

**Subculturing**      1:2-1:4 dilution in PBS with 10% FBS

**Seeding density**      1-2 × 10<sup>5</sup> cells/cm<sup>2</sup>

**Fluid renewal**      3-4 times

**Post-Thaw Recovery**      >90% recovery within 24-48 hours

**Freeze medium**      10% FBS + 10% DMSO

