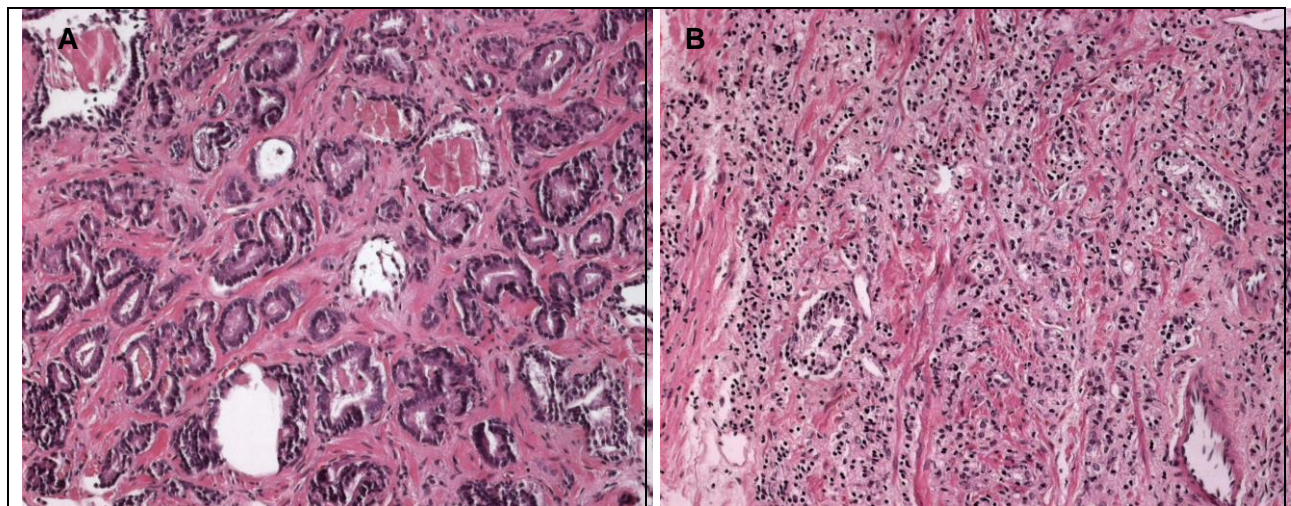
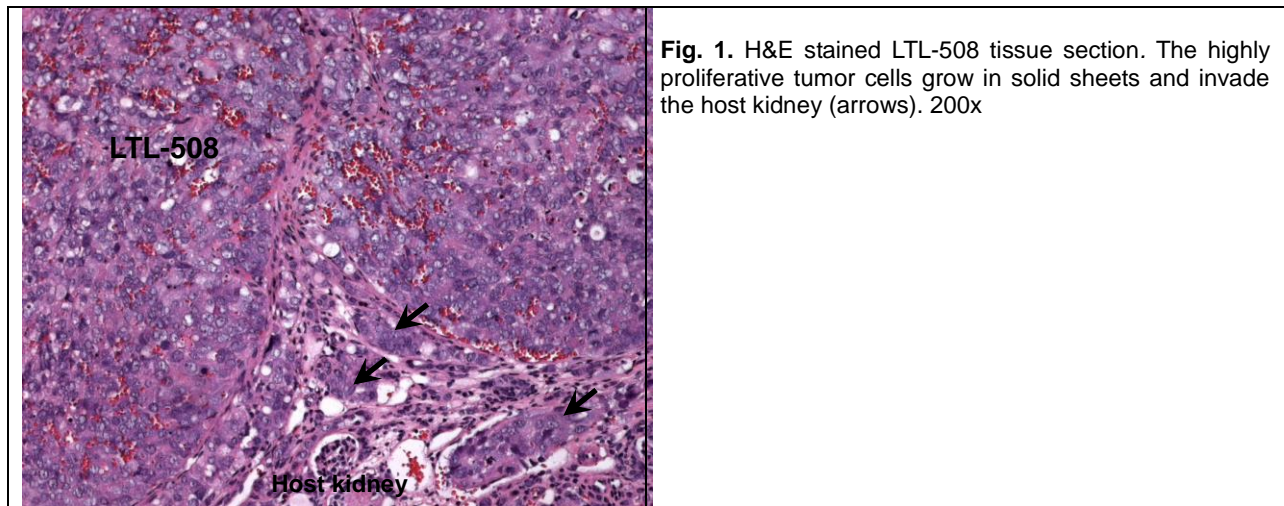


# LTL-508 datasheet

<b>Origin</b>	Human prostate cancer	<b>Histopathology</b>	High grade adenocarcinoma
<b>Year of establishment</b>	2013	<b>Doubling time</b>	11.20±2.47 days
<b>Local invasion</b>	Yes	<b>Metastasis</b>	Not determined
<b>Hormone Sensitivity</b>	Androgen-dependent		

The LTL-508 tumor tissue line (Fig. 1) was developed from a patient's primary prostate cancer (high grade prostate adenocarcinoma). When grafted under renal capsules of NOD-SCID mice, the LTL-508 shows invasion into adjacent renal parenchyma. Viable tissues of the LTL-508 in early generations have been preserved by cryopreservation (DMSO), and can be readily resurrect for grafting.



**Fig. 2.** Patient's cancer tissues before grafting. A high grade adenocarcinoma, Gleason 3+5.

## **Applications**

1. Pre-clinical evaluation of established and potential anticancer drugs. Examination of drug efficacy on tumor growth, cell death (apoptosis, necrosis), tissue invasion, metastasis and angiogenesis.
2. Discovery of potential therapeutic targets and/or biomarkers for drug sensitivity.
3. Study of mechanisms underlying tumor growth, progression and metastasis.

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