

**Docket #:** S06-394B

## R-spondin1-producing cell line

Stanford researchers have developed an R-spondin1-producing cell line. The cell line is a transfectant of 293T cells expressing mouse R-spondin1 protein tagged with N-terminus HA and C-terminus Fc.

The following related technology from Professor Calvin Kuo's lab may also be of interest: [Ex vivo expansion and culture of intestinal epithelium \(Stanford Docket No. S06-394\)](#)

## Publications

- X Li, L Nadauld, A Ootani, DC Corney, RK Pai, O Gevaert, MA Cantrell, PG Rack, JT Neal, CW-M Chan, T Yeung, X Gong, J Yuan, J Whilhelmy, S Robine, LD Attardi, AK Plevritis, KE Hung, C-Z Chen, HP Ji & CJ Kuo, [Oncogenic transformation of diverse gastrointestinal tissues in primary organoid culture](#), Nature Medicine, 20, 769-777 (2014). doi:10.1038/nm.3585. Epub 2014 May 25.
- Yan KS, Chia LA, Li X, Ootani A, Su J, Lee JY, Su N, Luo Y, Heilshorn SC, Amieva MR, Sangiorgi E, Capecchi MR, Kuo CJ, [The intestinal stem cell markers Bmi1 and Lgr5 identify two functionally distinct populations](#), Proc Natl Acad Sci USA. 2012 Jan 10;109(2):466-71. doi: 10.1073/pnas.1118857109. Epub 2011 Dec 21.
- Ootani A, Li X, Sangiorgi E, Ho QT, Ueno H, Toda S, Sugihara H, Fujimoto K, Weissman IL, Capecchi MR, Kuo CJ, [Sustained in vitro intestinal epithelial culture within a Wnt-dependent stem cell niche](#), Nature Medicine, 15, 701-706 (2009). doi:10.1038/nm.1951. Epub 2009 April 27.

## Innovators

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