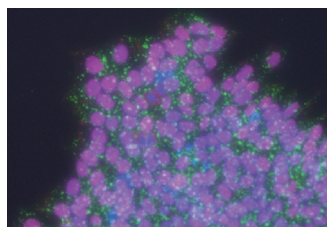


Vitronectin-398™ (Xeno-free)

Human VTN (Vitronectin) is a 478 amino acid protein (1-19 = signal domain) that belongs to a member of the pexin family. It promotes cell adhesion and spreading, inhibits the membrane-damaging effect of the terminal cytolytic complement pathway, and binds to several serpin serine protease inhibitors. Recent publication from James Thomson's group indicated that coated recombinant human vitronectin protein alone benefits iPS cell generation when combined with E8 culture medium.



Human ES cells (H1) were cultivated in xeno-free medium (NutriStem™) on Vitronectin-398™ (Xeno-Free) coated 6-well plate for 10 generations, and staining With Oct4, TRA-81 and DAPI.

Reference

1. Guokai Chen, *et al.* *Cheimically defined conditions for human iPSC derivation and culture.* Nature Methods. **8**, 424-429 (2011)
2. Stefan R. Braam. *et al.* Recombinant Vitronectin is a Fuctionally Defined Substrate That Supports *Human Embryonic Stem Cell Self-Renewal via aVb5 integrin.* STEM CELLS. **26**(9) 2257-2265 (2008)

Application

1. As coating matrix protein for maintaining long-term ES or iPS cell culture before combining with E8 culture medium.
2. As an excellent coating matrix material of 11R-tagged recombinant TF intracellular delivery for protein derived iPS protocol with extremely low-level non-specific interaction.

Ordering Information

Product Name	Storage	Product No.	PKG Size
Vitronectin-398™ (Xeno-free), Recombinant Human	F	NU0006	100 µg

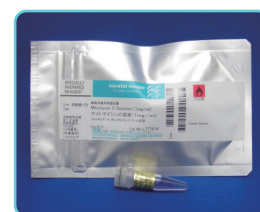
Vitronectin-398 are produced by Nacalai USA, Inc.

Mitomycin C Solution (1 mg/ml) for preparation of feeder cells

- » Ready-to-use - Sterile tested for cell culture, do not solidify in freezer
- » High stability - For 2 years in freezer, protected from light

Components

1mg/ml of Mitomycin C in 10v/v% Ethanol and 90v/v% Ethylene Glycol Solution



Ordering Information

Product Name	Storage	Product No.	PKG Size
Mitomycin C Solution (1mg/ml)	F	20898-21	1 ml

Related Products

Product Name	Storage	Product No.	PKG Size
Y-27632	F	08945-71	1 mg
		08945-84	5 mg

[Storage] F = Freezer