



Expi293 PRO Expression System







Producing increasingly complex proteins with higher yields and increased throughput is critical to accelerating breakthroughs in protein research applications and drug development. To address these needs, we developed the next-generation Gibco™ Expi293™ Expression System.

Introducing the latest offering in the Expi293 expression portfolio, the Gibco™ Expi293™ PRO Expression System, a fully integrated expression system designed to deliver higher yields of a wider variety of proteins—including challenging and low-yield proteins—with exceptional speed, efficiency, and an easy-to-automate protocol.

Components of the Expi293 PRO Expression System:

- Gibco™ Expi293™ PRO Cells
- Gibco™ Expi293™ PRO Expression Medium
- Gibco™ Expi293™ PRO Transfection Kit
 - Gibco™ Expi293™ PRO Transfection Reagent
 - Gibco™ Expi293™ PRO Enhancer
 - Gibco™ Expi293™ PRO Feed

Expi293 PRO system features and benefits:

-  **Unlock new protein targets**
Express challenging and low-yield proteins
-  **Exceptional protein yields from a transient 293 system**
Multifold increase in protein yields, up to 5 g/L
-  **Cost-effective**
Higher protein yields at the lowest cost per milligram
-  **Faster expression kinetics**
Produce your protein in less time with fewer steps
-  **High-throughput and automation compatibility**
Simplified protocols and optimized reagents seamlessly integrate with small-scale and automated platforms
-  **Sustainable**
Reduces reagent consumption, plasticware consumption, and labor by three-fold

One complete, optimized system



High-density HEK293 cell line



Chemically defined medium



Transfection reagent



Transfection enhancer



Production feed

Cell culture

Expi293 PRO Cells
Higher expression of more challenging proteins

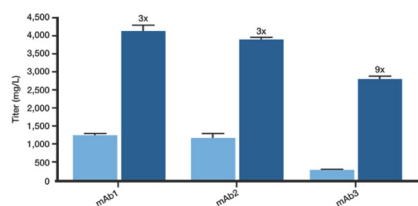
Expi293 PRO Expression Medium
Even higher transfection densities supported

Transfection and expression step

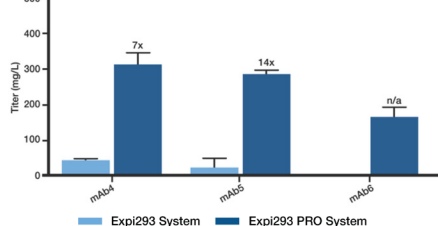
Expi293 PRO Transfection Kit
Component synergy for high yields with fewer steps and improved ease of use

The Expi293 PRO Expression System is an optimal choice for producing increasingly complex proteins with higher yields and increased throughput.

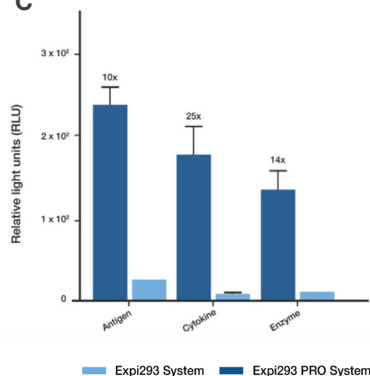
A



B



C



D

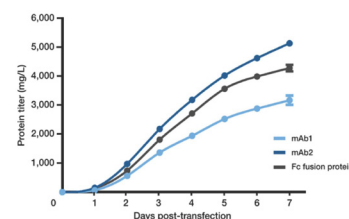


Figure 1. (A-C) Protein yields of antibodies and challenging-to-express proteins obtained with the Expi293 and Expi293 PRO Expression Systems. (D) Protein titers of up to 5 g/L were obtained with consistent cell growth kinetics across three example proteins using the Expi293 PRO Expression System.

Ordering information

Product	Size	Cat. No.
Expi293 PRO System Kit	1 kit	A40003643
Expi293 PRO Cells	1 vial	A40001140
	6 vials	A40001978
Expi293 PRO Expression Medium	1 L	A4000135501
	6 x 1 L	A4000135505
	10 L	A4000135503
	20 L	A4000135504
Expi293 PRO Transfection Kit	For 1 L transfection	A40002926
	For 6 L transfection	A40002929
	For 10 L transfection	A40002927
	For 50 L transfection	A40002930
	<ul style="list-style-type: none"> Expi293 PRO Transfection Reagent Expi293 PRO Enhancer Expi293 PRO Feed 	

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