

# Express Yourself.

Save time and money with Merck Millipore protein expression tools

## Gateway® Nova pET-DEST™ and pCOLA-DEST™ Vectors

Reliable pET expression and purification with rapid Gateway cloning

Gateway® Nova pET-DEST™ and pCOLA-DEST™ vectors are *E. coli* plasmid expression vectors which combine the advantages of the strong T7 promoter and expression control elements of the pET vectors with the convenience of Gateway® Cloning Technology.

- Allow the construction of many different expression clones for the same target
- Facilitate production of recombinant proteins with different fusion tags

## pET Expression Vectors

The most powerful system for the cloning and expression of recombinant proteins in *E. coli*

Based on the T7 promoter-driven system, pET System has been used to express thousands of different proteins.

- Numerous pET vector types, different host strains, and many other companion products designed for efficient detection and purification of target proteins.

## Protease Cleavage Enzymes

Restriction grade site-specific proteases and Cleavage Capture Kits offer convenient removal of fusion tags

- Thrombin, Biotinylated Thrombin, Factor Xa, Recombinant Enterokinase, Enterokinase, and HRV 3C Protease are available



### SPECIAL OFFER

**SAVE 25%\***

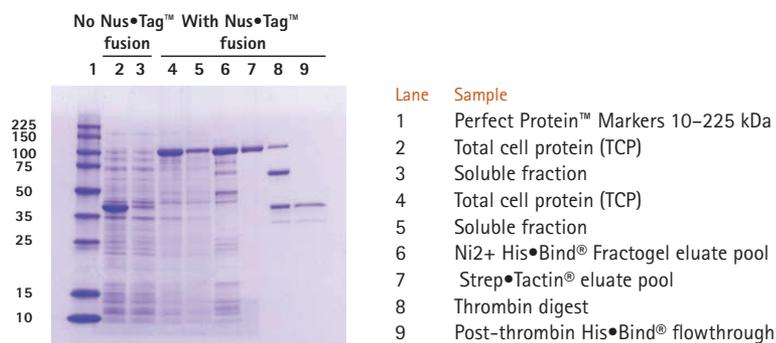
On select Gateway® Nova pDEST™ vectors, pET vectors and Cleavage Enzymes

Use Promotion Code:

**ZBIOS25**

Offer valid until December 31, 2012

See reverse for details.



#### Nus•Tag™ fusion increases the solubility of recombinant annexin A1

A pENTR vector containing annexin A1 was generated using Gateway® Nova pET-53-DEST™ but the protein was insoluble (lanes 2–3). The fusion pET-His•Tag™/Nus•Tag™/thrombin/annexin-A1/Strep•Tag™ II was then created using Gateway® Nova pET-57-DEST™ vector that was expressed in the soluble fraction (lanes 4–5). Soluble annexin A1 was purified on sequential His•Bind® and Strep•Tactin® columns (lanes 6–7). The N-terminal fusion tags were removed by thrombin cleavage (lane 8) and a subtractive His•Bind® column (lane 9).

## Ordering Information

Description	Size	Catalogue No.
<b>Gateway® Nova pET-DEST™ and pCOLA-DEST™ Vectors</b>		
ALL Gateway® Nova pET-DEST™ DNA	10 µg each	71844-3 to 71853-3
ALL Gateway® Nova pCOLA-DEST™ DNA	10 µg each	71854-3 to 71855-3
<b>pET Expression Vectors</b>		
ALL pET DNA	10 µg each	Various
pET-30 Ek/LIC Vector Kit	20 reactions	69077-3
pET-30 Xa/LIC Vector Kit	20 reactions	70073-3
pET-32 Ek/LIC Vector Kit	20 reactions	69076-3
pET-32 Xa/LIC Vector Kit	20 reactions	70072-3
pET-41 Ek/LIC Vector Kit	20 reactions	71071-3
pET-43.1 Ek/LIC Vector Kit	20 reactions	71072-3
pET-44 Ek/LIC Vector Kit	20 reactions	71144-3
pET-46 Ek/LIC Vector Kit	20 reactions	71335-3
pET-51 Ek/LIC Vector Kit	20 reactions	71570-3
pET-52b(+) 3C/LIC Vector Kit	20 reactions	71571-3
Introductory Strep•Tag® II Kit, pET-51b	1 kit	71615-3
Introductory Strep•Tag® II Kit, pET-52b	1 kit	71616-3
<b>Protease Cleavage Enzymes**</b>		
Thrombin, Restriction Grade	50 u	69671-3
Biotinylated Thrombin	50 u	69672-3
Trombin Cleavage Capture Kit	1 kit	69022-3
Factor Xa, Restriction Grade, Bovine Plasma	400 u	69036-3
Factor Xa Cleavage Capture Kit	1 kit	69037-3
Recombinant Entrokinase	50 u	69066-3
Entrokinase Cleavage Capture Kit	1 kit	69067-3
HRV 3C Protease	500 u	71493-3

To save 25% today, contact your local customer service and reference promotion code **ZBIOS25.\***

\*Promotion code ZBIOS25 must be used when placing your order to be eligible for discount. **NOTE: All Gateway® Nova pET-DEST™ Expression Systems and pET Expression Systems are excluded from this promo.** May not be applied to previously purchased merchandise or be combined with any other offers or institutional discounts. Void where prohibited by law or company policy. Offer valid until December 31, 2012.

\*\*NOTE: for all Protease Cleavage Enzymes, limit of three (3) per customer.



[www.merckmillipore.com](http://www.merckmillipore.com)

Merck Millipore and the M mark, Nus•Tag and DEST are trademarks of Merck KGaA, Darmstadt, Germany. His•Bind, His•Tag, Strep•Tag and Strep•Tactin are registered trademarks of Merck KGaA, Darmstadt, Germany. Trademarks belonging to third parties are the properties of their respective owners.

Lit No. PR5331ENEU BS GEN-12-07342 09/12

©2012 EMD Millipore Corporation, Billerica, MA, USA. All rights reserved.

### To Place an Order or Receive Technical Assistance

In Europe, please call Customer Service:

France: 0825 045 645

Germany: 01805 045 645

Italy: 848 845 645

Spain: 901 516 645 Option 1

Switzerland: 0848 645 645

United Kingdom: 0870 900 4645

For other countries across Europe, please call: +44 (0) 115 943 0840

Or visit: [www.merckmillipore.com/offices](http://www.merckmillipore.com/offices)

For Technical Service visit:

[www.merckmillipore.com/techservice](http://www.merckmillipore.com/techservice)

### Get Connected!

Join Merck Millipore bioscience on your favorite social media outlet for the latest updates, news, products, innovations and contests!

 [facebook.com/MerckMilliporeBioscience](https://facebook.com/MerckMilliporeBioscience)

 [twitter.com/Merck4Bio](https://twitter.com/Merck4Bio)