

ACES™

AthenaES™ Complete Expression System



Don't Gamble
with Your Proteins

□ ACES™ Promoter Selection Kit

The **ACES™ Promoter Selection Kit** applies the principle that the overall expression rate can determine not only the total accumulation level, but also the amount of soluble protein that is made. By titering the promoter activity, one can fine-tune the expression level to meet the specific needs of target protein production levels.

□ ACES™ Signal Sequence Kit

The **ACES™ Signal Sequence Kit** provides a set of six expression vectors each with a different signal sequence for protein export to the periplasmic space of *E. coli* using either the SEC, SRP or TAT protein secretion pathway. Since the use of a post-translational or co-translational export mechanism is protein-specific and cannot be known *a priori*, this kit allows for the selection of the translocation pathway best suited for a given recombinant protein.

□ ACES™ YebF Protein Export Kit

The **ACES™ YebF Protein Export Kit** makes use of the YebF protein to chaperone other proteins through the inner and outer membranes of *E. coli* cells. This permits the secretion of target proteins into the culture medium, simplifying downstream purification as well as allowing for the expression of toxic proteins and proteins that do not fold correctly in the *E. coli* cytoplasm.



Athena Enzyme Systems™
1-888-892-8408
www.athenaes.com



ACES™ Promoter Selection Kit

0148-1	ACES™ Promoter Selection Kit	\$500.00
--------	------------------------------	----------

Kit Components, Available for Individual Purchase

Catalog Number	Product	Size
0149-25	pAES25	10µg
0150-1	Primer A	250pmoles
0150-2	Primer B	250pmoles
0151-JM109-C	JM109 Competent Cells	2 x 200µL
0152-1	Inducer Solution A	1mL
0103	LB Broth (Miller)	1L
0104	Turbo Broth™	1L
0105	Superior Broth™	1L
0106	Power Broth™	1L
0107	Hyper Broth™	1L
0108	Glucose M9Y	1L
0109	Glucose Nutrient Mix	21g
0123	Augmedium™ (50x stock)	25mL

ACES™ Signal Sequence Kit

0148-2	ACES™ Signal Sequence Kit	\$600.00
--------	---------------------------	----------

Kit Components, Available for Individual Purchase

Catalog Number	Product	Size
0149-30	pAES30	10µg
0149-31	pAES31	10µg
0149-32	pAES32	10µg
0149-33	pAES33	10µg
0149-34	pAES34	10µg
0149-35	pAES35	10µg
0151-JM109-C	JM109 Competent Cells	2 x 200µL
0152-1	Inducer Solution A	1mL
0153	Inducer Solution B	100mL
0154	Secretion Enhancer Solution A	60mL
0155	Secretion Enhancer Solution B	60mL
0103	LB Broth (Miller)	1L
0104	Turbo Broth™	1L
0105	Superior Broth™	1L
0106	Power Broth™	1L
0107	Hyper Broth™	1L
0108	Glucose M9Y	1L
0109	Glucose Nutrient Mix	21g
0123	Augmedium™ (50x stock)	25mL

ACES™ YebF Protein Export Kit

0148-3	ACES™ YebF Protein Export Kit	\$600.00
--------	-------------------------------	----------

Kit Components, Available for Individual Purchase

Catalog Number	Product	Size
0149-40	pAES40	10µg
0151-JM109-C	JM109 Competent Cells	2 x 200µL
0152-1	Inducer Solution A	1mL
0153	Inducer Solution B	100mL
0154	Secretion Enhancer Solution A	60mL
0155	Secretion Enhancer Solution B	60mL
0313-1	Anti-YebF Antisera	0.5mL
0103	LB Broth (Miller)	1L
0104	Turbo Broth™	1L
0105	Superior Broth™	1L
0106	Power Broth™	1L
0107	Hyper Broth™	1L
0108	Glucose M9Y	1L
0109	Glucose Nutrient Mix	21g
0123	Augmedium™ (50x stock)	25mL

ACES™ Accessory Products Pricing

Catalog Number	Product	Size	Cost (in USD)
0149-25	pAES25	10µg	\$325.00
0149-30	pAES30	10µg	\$350.00
0149-31	pAES31	10µg	\$350.00
0149-32	pAES32	10µg	\$350.00
0149-33	pAES33	10µg	\$350.00
0149-34	pAES34	10µg	\$350.00
0149-35	pAES35	10µg	\$350.00
0149-40	pAES40	10µg	\$400.00
0150-1	Primer A	250pmoles	\$35.00
0150-2	Primer B	250pmoles	\$35.00
0151-JM109-C	JM109 Competent Cells	2 x 200µL	\$40.00
0151-	Strain Stab	Stab	\$80.00
0152-1	Inducer Solution A	1mL	\$15.00
0152-5	Inducer Solution A	5 x 1mL	\$70.00
0153	Inducer Solution B	500mL	\$50.00
0154	Secretion Enhancer A	500mL	\$50.00
0155	Secretion Enhancer B	500mL	\$50.00
0156	Rapid Transformation Kit	1 kit	\$125.00
0157	2x TSS	5 x 1 mL	\$40.00
0313-1	Anti-YebF Antisera	0.5mL	\$120.00