

Recent patents in protein expression

Patent #	Subject	Assignee	Inventor(s)	Priority application date	Publication date
WO 200306480	A DNA molecule comprising a promoter-effective region of a <i>Tetrahymena</i> metallothionein gene; useful for expressing an RNA or protein of interest.	Gorovsky MA; Shang Y; Song X; University of Rochester (NY)	Gorovsky MA, Shang Y, Song X	9/5/2001	1/23/2003
WO 200304698	A method of monitoring functionally correct folding or misfolding of a protein <i>in vivo</i> for improving protein expression; comprises applying a reporter gene to an expression system under the control of the periplasmic protease DegP promoter. The method allows improvement of the yield of functionally expressed recombinant proteins.	Merck Patent GmbH (Darmstadt, Germany); Riesenberg U	Horn U, Riesenberg U, Strittmatter W	7/6/2001	1/16/2003
WO 200303017	A method for diagnosing or treating inflammatory response or atherosclerosis using NAK-1 mRNA, protein, and/or antibodies.	Institute of Vascular Biology and Thrombosis Research (Vienna, Austria)	Binder BR, Bruess J, Gruber F, Hufnagl P, Schmid J	6/27/2001	1/9/2003
WO 200301206	A method of analyzing the cleavage of a polymer using two isotopic labels. Useful in discovering new or improved synthetic substrates for both known and unknown enzymes, in positional peptide scanning libraries, in assaying methods for oligonucleotide or peptide sequencing, and in measuring differential protein expression.	Glaxo Group (UK)	McKeown SC	6/26/2001	1/3/2003
WO 200300730	A screening method for determining if a candidate compound modulates estrogen receptor activity, comprising contacting a cell or <i>in vitro</i> sample expressing CITED (GBP/p300 interacting transactivators with ED-rich tails) protein, or CITED activity, and an estrogen receptor target gene with the candidate compound, and measuring expression of the target gene.	General Hospital Corp. (Boston, MA)	Shioda T	6/21/2001	1/3/2003
WO 200292778	An implantable three-dimensional device or stand-alone bioreactor for anatomical, histological, and spatial inter-reaction of cells, cell clusters, or tissues, comprising a support layer and several containment layers having interconnected wells. The device is useful for producing proteins or hormones, and for determining and evaluating real-time cellular events such as gene and protein expression.	Fasching R; Greco RS; Hammerick K; Prinz FB; Smith RL; Stanford University (Stanford, CA)	Fasching R, Greco RS, Hammerick K, Prinz FB, Smith RL	5/17/2001	11/21/2002
CN 1379112	A method for effectively expressing and preparing peptide antibiotics using a DNA combination technique, and a carrier protein sequence for effective fusion expression of the peptide antibiotics.	Military Medical University No. 3 (China)	Hu F, Rao X	12/21/2001	11/13/2002
US 20020151031	A novel purified and isolated nucleic acid encoding mycobacterial isocitrate lyase; useful for producing mycobacterial isocitrate lyase proteins which are useful in screening for agents that prevent tuberculosis.	Jacobs WR; McKinney JD	Jacobs WR, McKinney JD	4/3/1998	10/17/2002
US 20020146789	An isolated protein (zkun6) functioning as a proteinase inhibitor; may be used as a component of cell culture media, in protein expression and purification, and in certain therapeutic and diagnostic applications.	Conklin DC; Gao Z	Conklin DC, Gao Z	3/31/2000	10/10/2002

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