TNDA-Prokaryotic Protein Expression Accelerator

Introduction:

TNDA-Prokaryotic Protein Expression Accelerator (PPEA) has its own independent intellectual property right and bases on Bioworld R&D center that is widely used in industries for microbial fermentation, protein and bio-enzyme production, etc. PPEA takes the role as the inducing agent that has much higher efficiency and askes for no post-processing that contests IPTG (isopropyl-β-d-thiogalactoside) in inducing expression of genetically engineering strains. It applies bioactive compounds originates in organisms, which can be fully used by microorganisms themselves after their inducing procedure that are characterized with easy handling, efficient accelerating, stable reacting qualities, adapting to large-scale industrial business.

TNDA includes 'TNDA-1' for soluble protein expression inducing, and 'TNDA-2' for the expression of inclusion body protein, it significantly accelerates prokaryotic protein exogenous expression with no side-effect to other organisms.

Contents:

Yeast ethanol extract, Lactose, etc.

Product condition:

Powder

Directions:

TNDA-1: Add TNDA-1 in 5-10g/L when the bactaria in fermentation broth comes to the early logarithmic growth, collecting after 6-8 hours without other addition for soluble protein expression inducing use.

TNDA-2: Add TNDA-2 in 12-16g/L when the bactaria in fermentation broth comes to the early logarithmic growth, collecting after 6-8 hours without other addition for the expression of inclusion body protein.

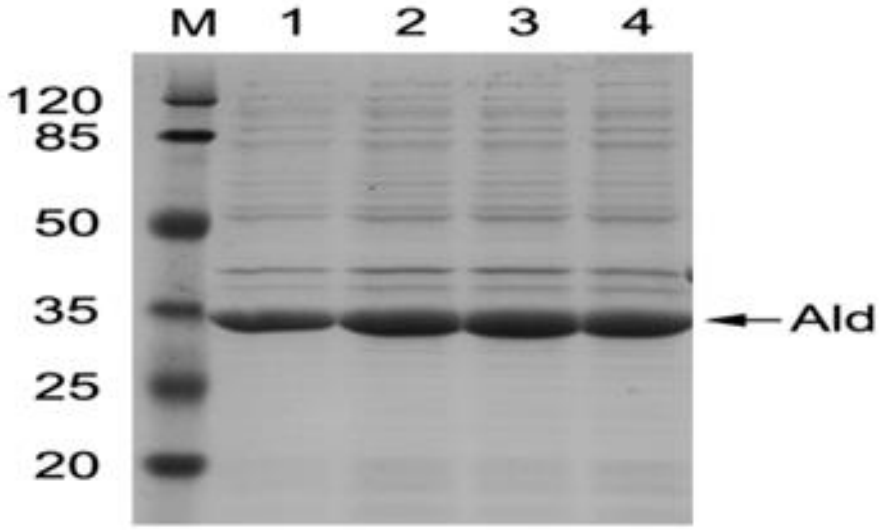
Cautions:

1. Preserve in dry places sealed under -20℃.
2. Packed with desiccant for anti-hygroscopicity use, please caution no use mixture with product.
3. No high temperature sterilization, apply aseptic filtration after dissolving 5-10g product in 20-30ml water.

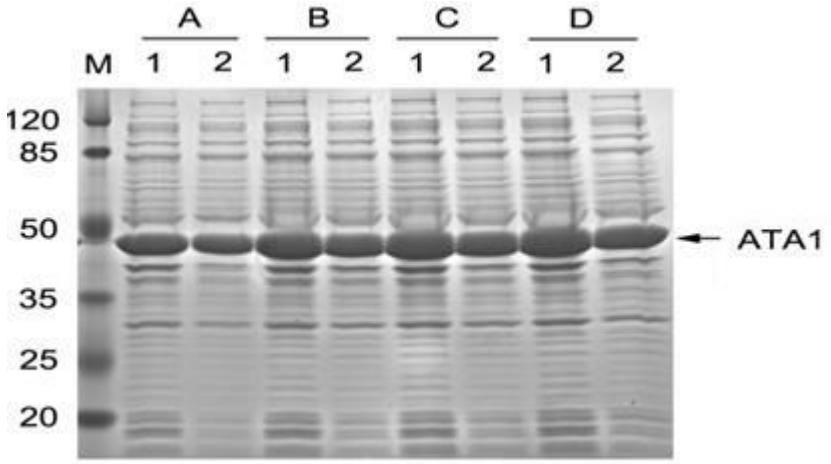
Bioworld Technology, Inc.
1660 South Highway 100, Suite 500 St. Louis Park,MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284 Fax: 6122933841

Bioworld technology, co, Ltd.
No 9, weidi road Qixia District Nanjing, 210046, P, R.China.
Email: info@biogot.com
Tel: 0086-025-68037686 Fax:0086-025-68035151

Examples:



Picture shows the E Coli. that contains aldolase (Ald) expressed in lane 1 for IPTG inducing, and TNDA-1 accelerating in lane 2-4



Picture as above shows the ω-transaminase expression in 5 liter fermentation system
Lane 1: TP (Total protein) Lane 2: Supernatant
A shows the protein expression induced by IPTG for 6h.
B-D show the protein expression respectively induced by TNDA-1 for 4h, 5h, 6h.

Bioworld Technology, Inc.
1660 South Highway 100, Suite 500 St. Louis Park,MN 55416,USA. **Email: info@bioworlde.com**
Tel: 6123263284 **Fax: 6122933841**

Bioworld technology, co, Ltd.
No 9, weidi road Qixia District Nanjing, 210046, P, R.China. **Email: info@biogot.com**
Tel: 0086-025-68037686 **Fax:0086-025-68035151**