

# PRODUCT DATA SHEET



Bioworld Technology, Inc.

## Runx3 Recombinant Protein

Catalog: NCP0443

Host: E.coli

Tag: His-tag

### BackGround:

Runt-related transcription factor 3 (RUNX3, AML2), a member of the Runt family of transcription factors, plays an important role in the suppression of gastric epithelium cell proliferation, dorsal root ganglia neurogenesis, and T cell differentiation. RUNX3 is also involved in caspase-3-dependent apoptosis. Protein complexes containing RUNX3 and various transcription factors, such as Smads or  $\beta$ -catenin/TCF4, have tumor suppressor activity and regulate downstream target gene transcription. While typically localized to the nucleus, RUNX3 can be tyrosine phosphorylated and located in the cytoplasm of many cancer cells. This mislocalization of RUNX3 abolishes its tumor suppressor function and contributes to tumorigenesis. Research studies indicate that gene silencing or protein mislocalization inactivates RUNX3 in more than 80% of gastric cancers and other cancer types.

### Product:

0.5M Urea, PH7.4

### Molecular Weight:

~46kDa

### Swiss-Prot:

Q13761

### Purification&Purity:

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

### Restriction Sites:

NdeI-XhoI

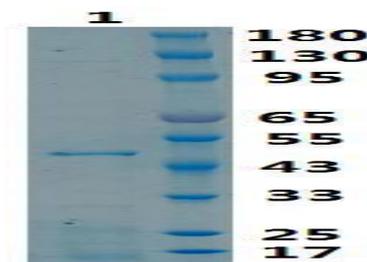
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Expression Vector:

pet-22b(+)

### DATA:



### Note:

For research use only, not for use in diagnostic procedure.

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151