

PRODUCT DATA SHEET



Complex Biotech Co., Ltd

Runx3 Recombinant Protein

Catalog: BCP3557

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 β -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.