

PRODUCT DATA SHEET



Complex Biotech Co., Ltd

GATA-3 Recombinant Protein

Catalog: BCP3555

Host: E.coli

Tag:

His-tag

BackGround:

GATA proteins comprise a group of transcription factors that are related by the presence of conserved zinc finger DNA-binding domains, which bind directly to the nucleotide sequence core element GATA. There are six vertebrate GATA proteins, designated GATA-1 to GATA-6. GATA-3 is a critical regulator of development of various systems in both mouse and human. GATA-3 mouse embryos die between E11 and E12 due to growth retardation and deformities in the brain and spinal cord. The function of GATA-3 has been extensively studied in T cell development and has recently been shown to be a downstream target of Notch in Notch-mediated differentiation of TH2 cells. It is expressed in both hematopoietic and non-hematopoietic tissues, including the kidney, skin, mammary gland, and central nervous system. Decreased expression of GATA-3 in luminal breast cancer is associated with poor clinical outcome. GATA-3 expression level may therefore be a promising prognostic biomarker. Haploinsufficiency of GATA-3 results in Barakat syndrome in humans, a condition characterized by sensorineural deafness and renal dysplasia.

Product:

0.5M Urea, PH7.4

Molecular Weight:

~49kDa

Swiss-Prot:

P23771

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.