Bacterial Plasmid Encoding a GST-THAP11 (aa132-313) Fusion Protein for Research

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Technology description

Abstract
Thanatos-associated protein (THAP) contains an atypical zinc finger motif with sequence-specific DNA-binding activity. Emerging data suggest that THAP proteins may function in chromatin-dependent processes, including transcriptional regulation. The roles of most THAP proteins in normal and aberrant cellular processes remain largely unknown. THAP11 has been identified as a transcriptional regulator differentially expressed in human colon cancer. Northwestern researchers have made and successfully used a plasmid encoding a GST-THAP11 (aa132-313) fusion protein. The recombinant protein can be affinity purified and is useful for various research purposes.
Publication
Parker JB, Palchaudhuri S, Yin H, Wei J, Chakravarti D. (2012) A transcriptional regulatory role of the THAP11-HCF-1 complex in colon cancer cell function .Molecular and Cellular Biology. 32(9):1654-1670.

Application area

Chromatin research
Transcription research

Advantages

High volumes of recombinant protein can be produced
Protein is tagged for affinity purification

Institution

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