

Recombinant Human SMARCA4 Protein, N-GST & C-His

Catalog Number: bs-42429P

Concentration: >1mg/ml

Species: Human

AA Seq: 207-298/1647

Predicted MW: 37.4 kDa

Tags: N-GST & C-His

Endotoxin: Not analyzed

Purity: >90% as determined by SDS-PAGE

Purification: AC

Form: Liquid

Storage: 50mM Tris-HCl (pH=8.0) with 10mM GSH and 1mM PMSF

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a member of the SWI/SNF family of proteins and is similar to the brahma protein of *Drosophila*. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI, which is required for transcriptional activation of genes normally repressed by chromatin. In addition, this protein can bind BRCA1, as well as regulate the expression of the tumorigenic protein CD44. Alternatively spliced transcripts have been found for this gene, but their full-length natures have not been determined.

VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.