

SMARCA4, 362-549aa, Human, His tag, E.coli

Cat.NO.: TP03968

3th Edition

Synonyms:Transcription activator BRG1 isoform A, BAF190, BAF190A, BRG1, hSNF2b, MRD16, RTPS2, SNF2, SNF2L4, SNF2LB, SWI2

Description:SMARCA4 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. Mutations in this gene cause rhabdoid tumor predisposition syndrome type 2. Multiple transcript variants encoding different isoforms have been found for this gene.. Recombinant human SMARCA4 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Molecular Weight:25.0kDa (211aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSDPVEILQEREYRLQARIAHRIQELENLPGSLAGDLRKTATIELKALRLLNFQR
QLRQEVVVCMRDRTALETALNAKAYKRSKRQSLREARITEKLEKQQKIEQERKRRQKHQEYLSILQHAKDFKEYH
RSVTGKIQKLTAVATYHANTEREQKKENERIEKERMRLMAEDEEGYRKLIDQKKDKR

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.