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AR51619PU-S Human SMARCA4 (362-549, His-tag) - Purified

Alternate names: BAF190, BAF190A, BRG1, MRD16, RTPS2, SNF2, SNF2L4, SNF2LB, SWI2, Transcription

activator BRG1 isoform A, hSNF2b

Quantity: 0.1 mg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: 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..

Uniprot ID: Q9HBD4

NCBI: NP 001122321

GeneID: 6597

Species: Human

Source: E. coli

Format: State: Liquid purified protein

Purity: >80% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Description: Recombinant human SMARCA4 protein, fused to His-tag at N-terminus, was expressed

in E.coli.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSDPVEILQ EREYRLQARI AHRIQELENL PGSLAGDLRT KATIELKALR LLNFQRQLRQ EVVVCMRRDT ALETALNAKA YKRSKRQSLR EARITEKLEK QQKIEQERKR RQKHQEYLNS ILQHAKDFKE YHRSVTGKIQ KLTKAVATYH ANTEREQKKE

NERIEKERMR RLMAEDEEGY RKLIDQKKDK R **Molecular weight:** 25.0 kDa (211aa)

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

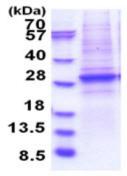
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Dykhuizen, E.C., et al. (2013) Nature 497 (7451), 624-627 Bai, J., et al. (2013) PLoS ONE 8

(3), E59772



Pictures:



15% SDS-PAGE (3ug)