

## 32-4868: Recombinant Human SMARCA4

### Alternative Name :

SWI/SNF Related,Matrix Associated,Actin Dependent Regulator Of Chromatin,Subfamily A,Member 4,Mitotic Growth And Transcription Activator,ATP-Dependent Helicase SMARCA4,BRG1,Global Transcription Activator Homologous Sequence Sucrose Nonferme

### Description

Source : Escherichia Coli. SMARCA4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 211 amino acids (362-549aa) and having a molecular mass of 25kDa. SMARCA4 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. SMARCA4 belongs to the SWI/SNF family of proteins and is similar to the brahma protein of Drosophila. Proteins in this family have helicase and ATPase activities and are considered to regulate transcription of certain genes by altering the chromatin structure around those genes. SMARCA4 is part of the large ATP-dependent chromatin remodeling complex SNF/SWI, which is essential for transcriptional activation of genes normally repressed by chromatin. In addition, SMARCA4 is able to bind BRCA1, as well as regulating the expression of the tumorigenic protein CD44. Moreover, mutations in SMARCA4 cause rhabdoid tumor predisposition syndrome type 2.

### Product Info

**Amount :** 20 µg

**Purification :** Greater than 80.0% as determined by SDS-PAGE.

**Content :** SMARCA4 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSDPVEILQ EREYRLQARI AHRIQELENL PGSLAGDLRT KATIELKALR LLNFQRQLRQ EVVVCMRRTD ALETALNAKA YKRSKRQSLR EARITEKLEK QQKIEQERKR RQKHQEYLN ILQHAKDFKE YHRSVTGKIY KLTAVATYH ANTEREQKKE NERIEKERM RLMAEDEEGY RKLIDQKKDK R.

