

Product Name: SMARCA4-BD

Alternate Names: BAF190A, BRG1, SNF2B, SNF2L4

Product Code: TAP-139

FOR RESEARCH USE ONLY (RUO)

Verified Applications / Usage

Recombinant SMARCA4-BD has been functionally validated for use in *in vitro* biochemical binding assays, small-molecule inhibitor characterization, biophysical interaction studies (including SPR and ITC), structural biology, assay development, and targeted protein degradation research.

Physical Characteristics

Species: Human

Predicted MW (kDa): 14 kDa

Source: *E. coli* BL21

Purity: 95 %

Tag: Untagged

Formulation: 40 mM HEPES, 100 mM NaCl, 10% Glycerol, 2 mM TCEP, 10 μ M Zinc chloride, pH 7.6

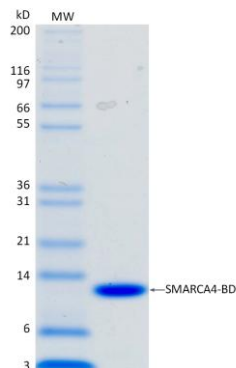
Shipping: The product is shipped with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Stability/Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store $\leq -70^{\circ}\text{C}$ (stable for 24 months from date of receipt).

Quality Assurance

Purity & SDS-PAGE

Protein ID: SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 4



2 µg SMARCA4-BD run on 4-12% SDS-PAGE gel under reducing conditions, then visualized with Colloidal Coomassie Blue Stain.

Activity Assay

Verified in Ternary Complex Assay.

Background

Description

SMARCA4 bromodomain recognizes acetylated lysine residues on histones and other chromatin-associated proteins to facilitate SWI/SNF-mediated chromatin remodeling and transcriptional regulation. This recombinant, untagged protein is suitable for inhibitor and degrader discovery, biochemical and biophysical binding assays, structural studies, and DNA-encoded library (DEL) screening.

Accession Number: P51532

Entrez Gene ID: SMARCA4

Protein Sequence

MAEKLSPNPPNLTCKMKKIVDAVIKYKDSSSGRQLSEVFIQLPSRKELPEYYELIRKPVDFKK
IKERIRNHKYRSLNDLEKDVMLLCQNAQTFNLEGLIYEDSIVLQSVFTSVRQKIEKEDD