

Product Name: SMARCA2-BD Isoform 2

Alternate Names: BAF190B, BRM, SNF2A, SNF2L2

Product Code: TAP-133

FOR RESEARCH USE ONLY (RUO)

Verified Applications / Usage

Recombinant SMARCA2-BD Isoform 2 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

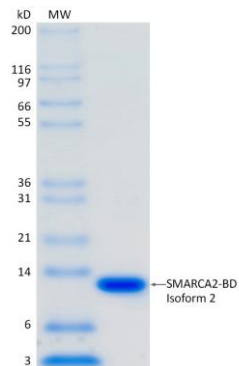
Shipping: The product is shipped with dry ice. Upon receipt, store it immediately at the temperature recommended below.

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 2



2 µg SMARCA2-BD Isoform 2 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

SMARCA2 bromodomain isoform 2 recognizes acetylated lysine residues on histones 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: P51531

Entrez Gene ID: SMARCA2

Protein Sequence

MAEKLSPNPPKLTQMNAIIDTVINYKDSSGRQLSEVFIQLPSRKELPEYYELIRKPVDFKKI
KERIRNHKYRSLGDLEKDVMLLCHNAQTFTNLEGSQIYEDSIVLQSVFKSARQKIAKEEE