

Recombinant Human SMARCA4 (aa 1447-1569)

DESCRIPTION

Protein name: Transcription activator BRG1
Uniprot-ID: P51532
Origin: Human
Source: *Escherichia coli*
Synonyms: BRG1, BAF190A, SNF2B, SNF2L4
Tag: Tag free
Grade: Crystallography grade (crystallized *in house*)

Product Description: Recombinant SMARCA4 (human) was produce in *Escherichia coli*. The expressed protein with an N-terminal cleavable poly His-tag was purified by a chromatographic procedure comprising an affinity purification, tag removal and size exclusion chromatography (as describe previously ⁽¹⁾).

SPECIFICATION

Storage Buffer: 10 mM HEPES, 500 mM NaCl, 5 % glycerol, pH 7.5
Purity: >95 % as determined by SDS-PAGE
Molecular weight: 14.5 kDa
Construct: SMARCA4 (A1448-D1569)

Sequence:
SMAEKLSPNPPNLTKKMKKIVDAVIKYKDSSSGRQLSEVFIQLPSRKEL
PEYYELIRKPVDFKKIKERIRNHKYRSLNDLEKDVMLLCQNAQTFNLEG
SLIYEDSIVLQSVFTSVRQKIEKEDD

REFERENCE: (1) Filippakopoulos P., Cell 149, 214-231, 2012

STORAGE: Product shipped in dry ice and should be stored at -80 °C. Thaw rapidly and store on ice during use. Avoid repeated freeze-thaw cycles.
 FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

QUALITY CONTROL

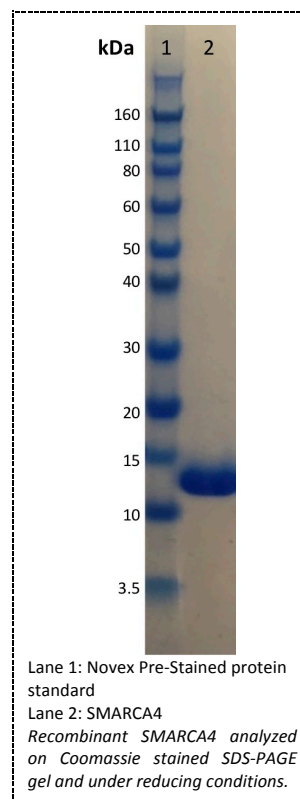
The quality of the protein was assessed by:

Size exclusion chromatography: No aggregation

Mass spectrometry characterization: 14.5 kDa

Differential scanning fluorimetry (T_m)*: 46.1 ± 0.2 °C

SDS-PAGE: >95% purity



Protein crystal:**



* Tagged protein.

** In the presence of ligand.