

Recombinant Human SMARCA2 Protein (700-1216 aa), His-tagged

Cat. No. SMARCA2-1523H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMARCA2 Protein (700-1216 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Neuroscience. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	700-1216 aa
Description	Transcriptional coactivator cooperating with nuclear hormone receptors to potentiate transcriptional activation. Belongs to the neural progenitors-specific chromatin remodeling complex (npBAF complex) and the neuron-specific chromatin remodeling complex (nBAF complex). During neural development a switch from a st/progenitor to a postmitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural st/progenitor cells to postmitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural st cells. The nBAF complex along with CREST plays a role

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	regulating the activity of genes essential for dendrite growth.
Form	Tris-based buffer,50% glycerol
Molecular Mass	61.7 kDa
AA Sequence	SYTVAHAISERVEKQSALLINGTLKHYQLQGLEWMVSLYNNNLNGILADEMGLGKTI QTIALITYLMEHKRLNGPYLIIVPLSTLSNWTYEFDKWAPSVVKISYKGTPAMRRSLVP QLRSGKFNVLLTTYEYIHKDKHILAKIRWKYMIVDEGHRMKNHHCKLTQVLNTHYVAP RRILLTGTPQLQNKLPWALLNLLPTIFKSCSTFEQWFNAPFAMTGERVDLNEEETIL IIRRLHKVLRPFLLRRLKKEVESQLPEKVEYVIKCDMSALQKILYRHMQAAGILLTDGS EKDKKGKGGAKTLMNTIMQLRKICNHPYMFQHIEESFAEHLGYSNGVINGAELYRAS GKFELLDRLPKLRATNHRVLLFCQMTSLMTIMEDYFAFRNFLYLRLDGTTKSEDRAA LLKKFNEPGSQYFIFLLSTRAGGLGLNLQAADTVVIFDSDWNPHQDLQAQDRAHRIG QQNEVRVLRRLCTVNSVEEKILAAAKYKLNVDQKVIQAGMFDQKSSSHERRAF
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	SMARCA2 SWI/SNF related, matrix associated, actin dependent regulator of
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chromatin, subfamily a, member 2 [Homo sapiens]

Official Symbol

SMARCA2

Synonyms

SMARCA2; SNF2L2; BAF190; BRM; hBRM; hSNF2a; SNF2; SNF2LA; Sth1p; SWI2; BAF190B; SNF2-alpha; FLJ36757; MGC74511;

Gene ID

6595

mRNA Refseq

NM_003070

Protein Refseq

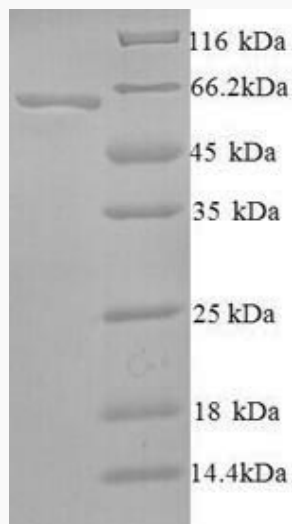
NP_003061

MIM

600014

UniProt ID

P51531



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and

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15% separation gel.

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