

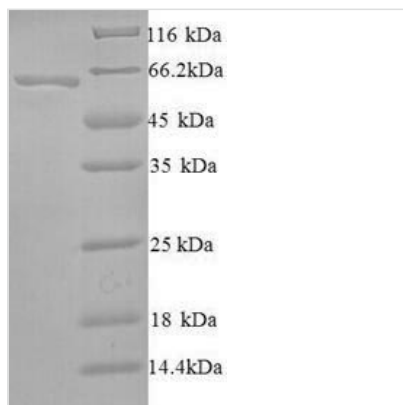


Recombinant Human Probable global transcription activator SNF2L2(SMARCA2),partial

Product Code	CSB-YP021799HU
Relevance	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 regulating the activity of genes essential for dendrite growth .
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P51531
Storage Buffer	Tris-based buffer,50% glycerol
Alias	ATP-dependent helicase SMAR;CA2BRG1-associated factor 190B ;BAF190BProtein brahma homolog
Product Type	Recombinant Protein
Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	SYYTVAHAISERVEKQSALLINGTLKHYQLQGLEWMVSLYNNNLNGILADEMG LGKTIQTIALITYLMEHKRLNGPYLIIVPLSTLSNWTYEFDKWAPSVVKISYKGTP AMRRSLVPQLRSGKFNVLTTTYEYIHKDKHILAKIRWKYMIVDEGHRMKNHHCK LTQVLNTHYVAPRRILLTGTP LQNKLP ELWALLN FLLPTIFKSCSTFEQWFNAPF AMTGERVDLNEEETILIIRRLHKVLRPFLLRRLKKEVESQLPEKVEYVIKCDMSA LQKILYRHMQA K GILLTDGSEKDKKGKGGA K TLMNTIMQLRKICNHPYMFQHIE ESFAEHLGYSNGVINGAELYRASGKFELLDRLPKLRATNHRVLLFCQMTSLMT IMEDYFAFRNFLYLRLDGTTKSEDRAALLKKFNEPGSQYFIFLLSTRAGGLGLN LQAADTVVIFDSDWNPHQDLQAQDRAHRIGQQNEVRVLR LCTVNSVEEKILAA AKYKLNVDQKVIQAGMFDQKSSSHERRAF
Research Area	Neuroscience
Source	Yeast



Gene Names	SMARCA2
Protein Names	Recommended name: Probable global transcription activator SNF2L2 EC= 3.6.4.-Alternative name(s): ATP-dependent helicase SMARCA2 BRG1-associated factor 190B Short name= BAF190B Protein brahma homolog Short name= hBRM SNF2-a
Expression Region	700-1216aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	61.7kDa
Protein Description	Partial

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.