

SMARCA2/BRM recombinant protein

Recombinant SMARCA2/BRM protein

CATALOG # AAA60418	HOST Baculovirus
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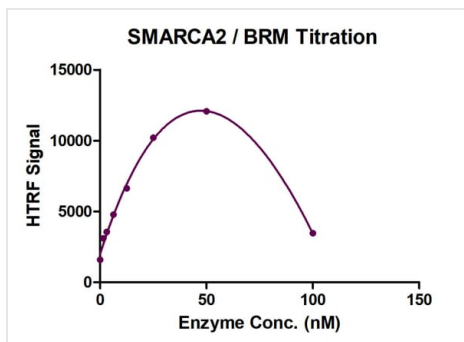
PRODUCT SYNONYMS

SMARCA2/BRM; Recombinant SMARCA2/BRM protein; Snf2l2; brahma; SNF2alpha; BRM; SMARCA2/BRM recombinant protein

PRODUCT SPECIFICATIONS

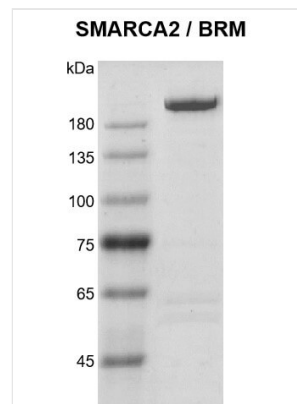
Host	Baculovirus
Form/Format	Recombinant SMARCA2/BRM protein in 25 mM HEPES pH 7.5, 300 mM NaCl, 20% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.
Protein Species	Human
Protein Details	Recombinant SMARCA2/BRM protein was expressed in a baculovirus expression system as the full length protein (accession number NP_003061.3) with an N-terminal DYKDDDDK tag. The molecular weight of the protein is 182.6kDa.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

IMAGES



Application Data

ADP-Glo assay for SMARCA2/BRM activity 100 uM ATP and 10 nM Salmon sperm DNA was incubated with different concentrations of SMARCA2/BRM protein in a 10 ul reaction system containing 20 mM HEPES (pH 7.5) ,10mM MgCl2, 50 mM NaCl, 0.1%Tween-20, 1 mM DTT for 1 hour, then add 10 ul ADP-Glo Reagent at 25° for 60min.Then 20 ul Kinase. Detection Reagent incubates at 25° for 60min. All the operations and reactions were performed at RT. Finally, Luminescence measurement is collected by BMG.



SDS-PAGE

Recombinant SMARCA2/BRM protein 10% SDS-PAGE Coomassie staining MW: 182.6kDa
Purity: >=95%

ADDITIONAL INFORMATION

Related Product Information for SMARCA2/BRM recombinant protein	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (SMARCA2), also known as BRM, is a member of the SWI/SNF family of proteins and is like the Brahma protein of Drosophila. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. SMARCA2 contains bromodomains for interaction with other proteins. The bromodomain functions as a 'reader' of epigenetic histone marks and regulates chromatin structure and gene expression by linking associated proteins to the recognized acetylated nucleosomal targets. SMARCA2 is involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin remodeling complex recruited by vitamin D receptor (VDR). SMARCA1 belongs to the neural progenitors-specific chromatin remodeling complex (npBAF complex) and the neuron-specific chromatin remodeling complex (nBAF complex). SMARCA2 plays a pivotal role in the regulation of the switch in subunit composition of the npBAF and nBAF complexes as cells transition from proliferating neural stem/progenitor cells to post-mitotic neurons during neural development.
Product Categories/Family for SMARCA2/BRM recombinant protein	Transcription; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

Molecular Weight	182.6kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/smarca2/brm-recombinant-protein-baculovirus/60418>