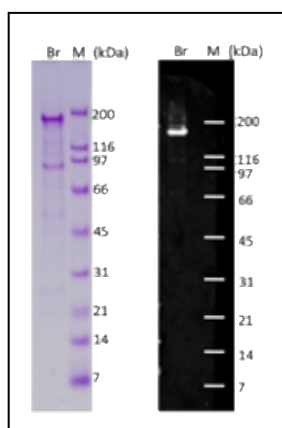


Recombinant BRG1/SMARC4

Catalog Number	Size
AG1041-10	10ug
AG1041-25	25ug
AG1041-B	Bulk

Description

The recombinant brahma-related gene 1 (BRG1/SMARC4/BF190) was expressed in the baculovirus expression system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 1697 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 190kDa.



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MSYYHHHHHDYDIPTTENLYFQGAMGIRNSKAYVDGAGGSCRRPLSAAPVKMSTPD
PPLGGTTPRPGSPGPGSPGAMLGPSGPGSPGSAHSMGPGSPGPPSAGHP IPTQGPG
GYPQDNMHQMHPMESMHEKGMSDDPRYNQMGGMGRSGGHAGMGPPSPMDQHSQG
YPSPLGGSEHASSVPVPSGPGSSGPGQMSGPGGAPLDGADPQALGQQNRGPTPFNQNQ
LHQLRAQIMAYKMLARGQPLPDHLQMAVQGKRPMGPMQMQMPTLPPPSVSATGPGPG
PGPGPGPGPGPAPPNYSRPHGMGGPNMPPPGPSGVPPGMPGQPPGGPPKPWPEGPMA
NAAAPTSTPQKLIPPOPTGRPSFAPPVPPAASVPMPPQTQSPGQPAQPAPMVPLHQ
KQSRITPIQKPRGLDPVEILQEREYRLQARIAHRIQELENLPGSLAGDLRTKATIEL
KALRLNLFQRQLRQEVVCMRRD TALETALNAKAYKRSKRQSLREARITEKLEKQQK
IEQERKRRQKHQEYLNLSILQHAKDFKEYHRSVTGKIQLTKAVATYHANTEREQKKE
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APKAGQLEAWLEMNPGYEVAPRSDSEESGSEEEEEEEEEEQPQAAQPPTLPVEEKKK
IPDPDSDDVSEVDARHI IENAKQDVDDEYGVSQALARGLQSYAVAHAVTERVDKQS
ALMVNGVLKQYQIKGLEWLVS LYNNNLNGILADEMGLGKTIQTIALITYLMEHKRIN
GPFLLIIVPLSTLSNWAYEFDKWAPSVVKVSYKGSAPAARRAFVFPQLRSGKFNVLLTTY
EYIIKDKHILAKIRWKYMI VDEGHRMKNHHCKLTQVLNTHYVAPRRLLLTGTPLQNK
LPFLWALLNFFLLPTIFKSCSTFEQWFNAPFAMTGEKVDLNEEETILIIIRLHKVLRP
FLLRRLKKEVEAQLPEKVEYVIKCDMSALQRVLYRHMQAQGVLLTDGSEKDKKGGG
TKTLMNTIMQLRKICNHPYMFQHI EESFSEHLGFTGGIVQGLDLYRASGFELLDRI
LPKL RATNHKVLLFCQMTSLMTIMEDYFAYRGFKYLRLDGTTKAEDRGMMLKTFNEP
GSEYFIFLLSTRAGGLGLNLQSADTVIIFDSWNPHQDLQAQDRAHRIGQQNEVRVL
RLCTVNSVEEKILAAAKYKLNVDQKVIQAGMFDQKSSSHERRAFLQAIL EHEEQDES
RHCSTGSGSASF AHTAPPPAGVNPDL EEPPLKEEDEVPDDET VNM IARHEEEFDLF
MRMDLDRRREEARNPKRKPRLMEEDELPSWIIKDDAEVERLTCEEEEEKMFGRGSRH
RKEVDYSDSLTEKQWLKAI EEGTLEEIEEEV RQKKSSRKRKRDSDAGSSTPTTSTRS
RDKDDESKKQKKRGRPPAEKLSFNPPNLTKMKKIVDAVIKYKDS SSGRQLSEVFIQ
LPSRKELPEYYELIRKPVDFKKIKERIRNHKYRSLNDLEKDVMLLCQNAQT FNLEGS
LIYEDSIVLQSVFTSVRQKIEKEDDSEGESEEEEEEGEEGSESESRSVKV KIKLGR
KEKAQDRLKGGRRRPSRGSRAKPVVSDDDSEEEQEEDRS GSGSEED
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Accession Number

NM_003072

Molecular Mass

Approximately 190kDa.



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Email: info@ascentgene.com

Purity	≥90%, as determined by SDS-PAGE.
Biological Activity	BRG1 is an essential component of the SWI/SNF chromatin remodeling complexes and implicated in multiple functions through its interaction with different proteins, including the tumor suppressor protein pRb (Cat#P2007), serine-threonine kinase LKB1, and other transcription factors. The recombinant Brg1 protein is suitable for the studies of transcription assays, protein-protein interaction and other related function assays.
Formulation	20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.
Storage	The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. (<i>Avoid repeated freeze-thaw cycle</i>)

FOR RESEARCH USE ONLY!!!