



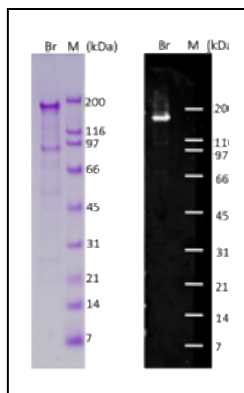
AscentGene, Inc.
900 Clopper Road
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BRG1/SMARC4 (Sf9)

Catalog Number	Size
AG316-10	10ug
AG316-25	25ug
AG316-B	Bulk

Description

The recombinant brahma-related gene 1 (BRG1/SMARC4/BF190) was expressed in the baculovirus (Sf9) 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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MSYYHHHHHHHDYDIPTTENLYFQGAMGIRNSKAYVDGAGGSCRRPLSAAPVKMSTPD  
PPLGGTTPRPGSPGPGSPGAMLGPSGPGSPGSAHSMGSPGPPSAGHP IPTQGPG  
GYPQDNMHQMHPMESMHEKGMSDDPRYNQMKGMGRSGGHAGMGPPSPMDQHSQG  
YPSPLGGSEHASSPVPASGPGSPGPMSSGPGGAPLDGADPQALGQQNRGPTFPNQ  
LHQLRAQIMAYKMLARGQPLPDHLQMAVQGKRPMGPMQMQMPTLPPPSVSATGPGPG  
PGPGPGPGPPPNYSRPHGMGGPNMPPPGPSGVPPGMPGQPPGGPPKPWPEGPMA  
NAAAPTSTPQKLIPPQPTGRPSFAPPVPPAASVPMPPQTQSPGQPAQPAPMVPLHQ  
KQSRITPIQKPRGLDPVEILQEREYRLQARIAHRIQELENLPGSLAGDLRTKATIEL  
KALRLNLFQRQLRQEVVCMRRDTALETALNAKAYKRSKRQSLREARITEKLEKQQK  
IEQERKRRQKHQEYLNLSILQHAKDFKEYHRSVTGKIQLTKAVATYHANTEREQKKE  
NERIEKERMRLMAEDEEGYRKLIDQKKDKRLAYLLQQTDEYVANLTELVRQHKAQ  
VAKEKKKKKKKAENAEGQTPAIGPDGEPLDETSQMSDLPVKVIHVESGKILGTGTD  
APKAGQLEAWLEMNPGYEVAPRSDSEESGSEEEEEEEEEEQPAAQPPTLPVEEKKK  
IPDPDSDDVSEVDARHI IENAKQDQDDEYGVSQLARGLSYAVAHAVTERVDKQS  
ALMVNGVLKQYQIKGLEWLVSLYNNNLNGILADEMGLGKTIQTIALITYLMEHKRIN  
GPFLIIVPLSTLSNWAYEFDKWPASVVKVSYKGSPAARRAFVQLRSGKFNVLLTTY  
EYIIKDKHILAKIRWKYMIIVDEGHRMKNHHCKLTQVLNTHYVAPRLLLLTGTPLQNK  
LPFLWALLNFLFLPTIFKSCSTFEQWFNAPFAMTGEKVDLNEEETILIIIRLHKVLRP  
FLLRRLKKEVEAQLPEKVEYVIKCDMSALQRVLYRHMQAQGVLLTDGSEKDKKGKG  
TKTLMNTIMQLRKICNHPYMFQHI EESFSEHLGFTGGIVQGLDLYRASGKFELLDRI  
LPKL RATNHKVLLFCQMTSLMTIMEDYFAYRGFKYLRLDGTTKAEDRGMLLKT FN  
GSEYFIFLLSTRAGGLG LNLQSADTVII FDS DWNPHQDLQAQDRAHRIGQQNEVRVL  
RLCTVNSVEEKILAAAKYKLNVDQKVIQAGMFDQKSSSHERRAFLQAI LEHEEQDES  
RHCSTGSGSASFAHTAPPAGVNPDL EEPPLKEEDEV PDET VNM IARHEEEFDLF  
MRMDLDRRREEARNPKRKPRLMEDELP SWIIKDDAEVERLTCEEEEEKMFGRGSRH  
RKEVDYSDSLTEKQWLKAI EEGTLEEIEEEVRQKSSSRKRKRDSDAGSSTPTTSTRS  
RDKDDESKKQKKRGRPPAEKLSNPPNLTKKMKKIVDAVIKYK DSSSGRQLSEVFIQ  
LPSRKELPEYYELIRKPVDFFKIKERIRNHKYRSLNDLEKDVMLLCQNAQT FNLEGS  
LIYEDSIVLQSVFTSVRQKIEKEDDSEGESEEEEEEGEESSESRSVKV KIKLGR  
KEKAQDRLKGGRRRPSRGSRAKPVVSDDDSEEEQEEDRS GSGSEED
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Source

Sf9

Molecular Mass

Approximately 190kDa.

Purity

≥90%, as determined by SDS-PAGE.



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Biological Activity	Androgen receptor (AR) is a member of nuclear hormone receptor family and functions as a ligand-activated transcription factor. The recombinant AR 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!!!