

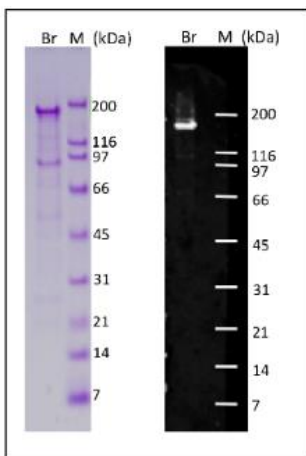
## Recombinant Human BRG1/SMARCA4

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

### Specifications and Use

#### Description

The human brahma-related gene 1 (BRG1/SMARCA4/BAF190) is a catalytic subunit of SWI/SNF complexes that regulate transcription by mediating ATP-dependent chromatin remodeling processes. Growing evidence suggests that these complexes have a widespread role in tumor suppression. Recombinant BRG1 (1647 amino acids) was produced in Sf9 cells with a 6His tag at the N-terminus.



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MSTPDPFLGGTFRPGSPGPGSPGAMLGSPGSPGSAHSMGSPGPPSAGHPITQGGPGYQDNNMHQMKPMESMHEKMGSDDPYRQMKMGGM
RSGGHAGMGGPPSPMDQHSQGYPSPLGGSEHASSPVPASGPPSSGPMSSGPGGAPLDGADPQALGQNRGPTPFNQNLHLQRAQIMAYKMLARGQPL
PDHLQMAVQGRKRFMPGMQQMPTLPPFSVSATGPGPGGPGPGPGPAPPNYSRPHGMGGFNMPFPGSGVPPGMPGQPPGPPKFWPEGFMANAAA
PTSTPQKLIIPPQTRGSPAPPFAVPPAASVPMPPQTQSPGQPAQAFMVLHQQQSRIITPIQKPRGLDPEVILQEREYRLQARIAHRIQELNLPFSL
AGDLRTKATIELKALRLLNFQRQLRQEVVVCRRRDTALETALNAKAYKRKRQSLREARITEKLEKQQKIEQERKRQRKHQYELNSILQHAKDFKEYH
RSVTGKIQKLTAVATYHANTEREQKENERIEKERMRRLMAEDEEGYRKLIDQKDKRLAYLLQQTDEYVANLTELVRQHKAAQVAKEKKKKKKKK
AENAEGQTPAIGPDGEPLEDTSQMSDLPVKVIHVESGKILGTGDPKAGQLEAWLEMNPGYEVAPRSDSESGSEEEEEEEEQPAAQPTPLPVEE
KKKIPDPSDDVSEVDARHIIENAKQDVEDDEYGVSAQALARGLSYYAVAHAVTERVQKQALMVNGVLKQYQIKGLEWLVSLLYNNNLGILADEMGLG
KTIQTIALITYLMEHKRINGPFLIIVPLSTLSNWAYEFDKWAPSVVVKVSYKGSFAARRAFVQLRSGKFNVLTTTVEYI IKDKHILAKIRWKYMIVDE
GHRMKNHCKLTQVLNTHYVAPRRLLLTGTPLQNKLPALWALLNLLPTIFKSCSTFEQWPNAPPAMTGEKVDLNEEETILIRRLHKVLRPFLRLRL
KKEVEAQLPEKVEYVIKCDMSALQVLYRHMQAQGVLLTDGSEKDKKGGTTLMTIMQLRKCINHPYMFQHIIEESFSEHLGFTGGIVQGLDLYRA
SGKFELLDRLILPKLRATNHKVLVLCQMTSLMTIMEDYFAYRGFYLRDLGTTKAE DRGMLLKT FNEPGESEYIFLFLSTRAGGLGNLQSDTVIIFDS
DWNPHQDLQADRHRIGQQNEVRVRLCTVNSVEEKILAAAKYKLNVDQKVIQAGMFDQKSSSHERRAFLQAILHEHEEQDES RHCSTGSGSASFAHT
APPPAGVNPDLPEPLKEEDEVDPDETQVNMIAHHEEFDLFMRMDLDRRREARNPKRPRLMEDELPSWI IKDDAEVERLTCEEEEEKMFGRGSR
HRKEVDYSDSLTEKQWLKAIIEEGTLEEIEEEVQRKSSSRKRKRDSDAGSSTPTTSTRSRDKDDESKKQKRRGPPAEKLSPNPLTKMKKIVDAVI
KYKDSSSGRQLSEVFIQLPSRKELEPEYELIRKVPDFKKIKERIRNHKYRSLNDLEKDVMLLCQNAQTFNLEGLSILYEDSIVLQSVFTSVRQKIEKD
DSEGESEEEEEEGESESESRVVKVKKLGRKEKAQDRLLKGGRRRPRGRSRAKPVVSDDDSEEEQEDRS GSGSSEED
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#### Accession Number

NM\_003072

#### Source

Sf9 Insect Cells

#### Molecular Mass

~190kDa

#### Purity

≥95%, as determined by SDS-PAGE

#### Biological Activity

Recombinant human BRG protein is ideal for the studies of protein-protein interactions and other related function assays.

#### Formulation

20mM Tris-Cl (pH7.9), 20% Glycerol, 100mM NaCl, 1mM DTT and 0.5mM EDTA

#### Storage

The protein sample can be stored under sterile conditions at 2- 8oC for one month or at -70oC for three months without detectable loss of activity.

Avoid repeated freeze-thaw cycles

#### Special Notes

**FOR RESEARCH ONLY**