

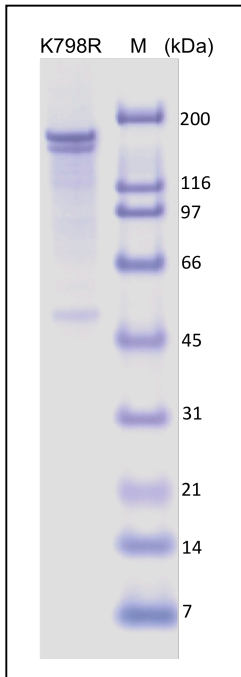
## Recombinant Human BRG1(K798R\*)

Catalog Number	Size
AG317-10	10µg
AG317-25	25µg
AG317-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. Mutation of lysine residue 798 un the DNA-dependent ATase domain significantly reduced its ability to repress c-fos transcription. Recombinant BRG1 (K798R) was produced in Sf9 cells with a 6His tag at the N-terminus. The mutant K798R was originally created for yeast BRG1 (accession# P22082), which corresponds to human BRG1 K785R as indicated (*Laurent et al., 1993, Genes & Dev 7, 583-591*).



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MSTDPPLGGTPRPGSPGPGSPGAMLGSPSPGSAHSMGSPSPGPP
SAGHPIPTQGGYPQDNMHQMHKPMESMHEKGMDDPRYNQMKGMGRS
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GAPLDGADPQALGQONRGPTPFNQNLHQLRAQIMAYKMLARGQPLPDHL
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KLIPPQPTGRPSAPPAPVPAASPVMPPQTQSPGQPAQPAPMVPLHQKQS
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AYLLQOTDEYVANLTELVRQHKAQVAKEKKKKKKKKAENAEGQTPAIG
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VAPRSDEESGSEEEEEEEEEEQPQAAQPPTLPVEEKKKIPDPDSDDVSE
VDARHIIENAKQDQDDEYGVSAQALARGLQSYAVAHAVTERVDKQSALMV
NGVLKQYQIKGLEWLVSLYNNNLNGILADEMGLGRTIQTIALITYLMEHK
RINGPFLIIIVPLSTLSNWAYEFDKWAPSVVKVSYKGSAAARRAFVPLRS
GKFNVLTTTYEYIIKDKHILAKIRWKYMIVDEGHRMKNHHCKLTQVLNTH
YVAPRLLLLTGTPLQNKLPALWALLNLLPTIFKSCSTFEQWFNAPFAMT
GEKVDLNEEETILIIIRRLHKVLRPFLLRRLKKEVEAQLPEKVEYVIKCDM
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LFCQMTSLMTIMEDYFAYRGFKYLRLDGTTKAEDRGMLLKTFFNEPGSEYF
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VLRLCTVNSVEEKILAAAKYKLVNDQKVIQAGMFDQKSSSHERRAFLQAI
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LSPNPNLTKKMKKIVDAVIKYKSSSGRQLSEVFIQLPSRKELPEYYEL
IRKPVDFKKIKERIRNHKYRSLNDLEKDVMLLCQNAQTFNLEGLIYEDS
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RKEKAQDRLKGGRRRPSRGSRAKPVVSDDDSEEEQEEDRSGSGSEED
  
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<b>Accession Number</b>	NM_003072
<b>Source</b>	<i>Sf9</i>
<b>Molecular Mass</b>	Approximately 190kDa.
<b>Purity</b>	≥95%, as determined by SDS-PAGE.
<b>Biological Activity</b>	Recombinant human BRG protein is ideal for the studies of protein-protein interactions and other related function assays.
<b>Formulation</b>	20mM Tris-Cl, pH7.9, 20% glycerol, 100mM NaCl, 1mM DTT and 0.5 mM EDTA.
<b>Storage</b>	The protein sample can be stored under sterile conditions at 2-8°C for one month or at -70°C for 12 months without detectable loss of activity. <b>Avoid repeated freeze-thaw cycles.</b>
<b>Special Notes</b>	<b>FOR RESEARCH USE ONLY</b>