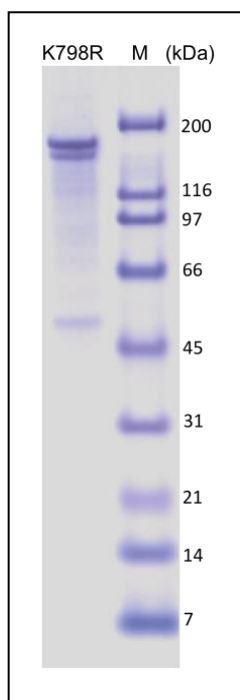


Recombinant BRG1 (mt K798R)

Catalog Number	Size
AG1042-10	10ug
AG1042-25	25ug
AG1042-B	Bulk

Description

The brahma-related gene 1 (BRG1/SMARC4/BF190) mutant K798R 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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MSYYHHHHHHHDYDIPTTENLYFQGAMGIRNSKAYVDGAGGSCRRPLSAAPVKMSTPD
PPLGGTPRPGSPGPGSPGAMLGSPGSPGSAHSMMPSPGPPSAGHP IPTQGGP
GYPQDNMHQMHKPMESMHEKGMSSDDPRYNQMKGMGRSGGHAGMGPPSPMDQHSQG
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KALRLNLFQRQLRQEVVCMRRD TALETALNAKAYKRSKRQSLREARITEKLEKQOK
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APKAGQLEAWLEMNPGYEVAPRSDSEESGSEEEEEEEEEEQPQAAPPTLPVEEKKK
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GFFLIIVPLSTLSNWAYEFDK WAPSVVKVSYKGS PAARRAFVPQLRSGKFNVLLTTY
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LPELWALLNFFLLPTIFKSCSTFEQWFNAPFAMTGEKVDLNEEETILIIIRLHKVLRP
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LPKL RATNHKVLLFCQMTSLMTIMEDYFAYRGFKYLRLDGTTKAEDRGMMLKTFNEP
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RLCTVNSVEEKILAAAKYKLNVDQKVIQAGMFDQKSSSHERRAFLQAI LEHEEQDES
RHCSTGSGSASF AHTAPPPAGVNPDL EEPPLKEEDEVPDDET VNM IARHEEEFDLF
MRMDLDRRREEARNPKRKPRLMEEDELPSWIIKDDAEVERLTCEEEEEKMFGRGSRH
RKEVDYSDSLTEKQWLKAI EEGTLEEIEEEV RQKKSSRKRKRDSDAGSSTPTTSTRS
RDKDDESKKQKGRPPAEKLS PNP NLTKMKKIVDAVIKYKDS SSGRQLSEVFIQ
LPSRKELPEYYELIRKPVD FKKIKERIRNHKYRSLNDEKDVMLLCQNAQT FNLEGS
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Accession Number	NM_003072
Molecular Mass	Approximately 190kDa.
Purity	≥90%, as determined by SDS-PAGE.
Biological Activity	The lysine 798 in the Brg1 ATPase domain is critical for its function and the mutant BRG1 (K798R) acts via a dominant negative mechanism. The recombinant Brg1 (K798R) protein can be used for the studies of transcription assays, chromatin remodeling 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>)

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