

Recombinant Human RPS6KA1 Protein

Catalog #	Source	Reactivity	Applications
CRP2219	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human RPS6KA1 Protein is produced by our mammalian expression system and the target gene encoding Met1-Leu735 is expressed with a 6His tag at the C-terminus.

Form Liquid in a 0.2 µM filtered solution of PBS, pH 7.4.

Gene Symbol RPS6KA1

Alternative Names MAPKAPK1A; RSK1; Ribosomal protein S6 kinase alpha-1; S6K-alpha-1; 90 kDa ribosomal protein S6 kinase 1; p90-RSK 1; p90RSK1; p90S6K; MAP kinase-activated protein kinase 1a; MAPK-activated protein kinase 1a; MAPKAP kinase 1a; MAPKAPK-1a; Ribosomal S6 kinas

Entrez Gene 6195 (Human)

SwissProt Q15418 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure MPLAQLKEPW PLMELVPLDP ENGQTSGEEA GLQPSKDEGV LKEISITHHV KAGSEKADPS HFELLKVLGQ GSFQKVFVLR KVTRPDSGHL YAMKVLKKAT LKVRDRVRTK MERDILADV N HPFVVKLHYA FQTEGKLYLI LDFLRGGDLF TRLSKEVMFT EEDVKFYLA E LALGLDHLHS LGIIYRDLKP ENILLDEEGH IKLTD FGLSK EAIDHEKKAY SFCGTVEYMA PEVVNRQGHS HSADWWSYGV LMFEMLTGSL PFQ GKDRKET MTLILKAKLG MPQFLSTEAQ SLLRALFKRN PANRLGSGPD GAEEIKRHVF YSTIDWNKLY RREIKPPFKP AVAQPD DTFY FDTEFTSRTP KDSPGIPPSA GAHQ LFRGFS FVATGLMEDD GKPRAPQAPL HSVVQQLHGK NLV FSDGYVV KETIGVGSYS ECKRCVHKAT NMEYAVKVID KSKRDPSEEI EILLRYGQHP NIITLKD VYD DGKHYVLVTE LMRGGELLDK ILRQKFFSER EASFVLHTIG KTVEYLHSQG VVHRDLKPSN

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

ILYVDESGNP ECLRICDFGF AKQLRAENGL LMTPCYTANF VAPEVLKRQG YDEGCDIWSL
GILLYTMLAG YTPFANGPSD TPEEILTRIG SGKFTLSGGN WNTVSETAKD LVSKMLHVDP
HQRLTAKQVL QHPWVTQKDK LPQSQLSHQD LQLVKGAMAA TYSALNSSKP TPQLKPIESS
ILAQRRVRKL PSTTLVDHHH HHH

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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