



Recombinant Human MAP kinase-activated protein kinase 5 (MAPKAPK5)

Product Code	CSB-EP818241HU
Abbreviation	MAPKAPK5
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8IW41
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MSEESDMDKA IKETSILEEY SINWTQKLGA GISGPVRVCV KKSTQERFAL KILLDRPKAR NEVRLHMMCA THPNIVQIIE VFANSVQFPH ESSPRARLLI VMEMMEGGEL FHRISQHRHF TEKQASQVTK QIALALRHCH LLNIAHRDLK PENLLFKDNS LDAPVKLCDF GFAKIDQGDL MTPQFTPYV APQVLEAQR HQKEKSGIIP TSPTPYTYNK SCDLWSLGI IYVMLCGYPP FYSKHSRTI PKDMRRKIMT GSFEPPEEW SQISEMAKDV VRKLLKVKPE ERLTIEGVLD HPWLNSTEAL DNVLPSAQLM MDAVVAGIQ QAHAEQLANM RIQDLKVS PLHSVNNPIL RKRKLLGTPK KDSVYIHDHE NGAEDSNVAL EKLRDVIAQC ILPQAGKGEN EDEKLNEVMQ EAWKYNRECK LLRDTLQSFS WNGRGFTDKV DRLKLAIEIVK QVIEEQTTSH ESQ
Source	E.coli
Target Names	MAPKAPK5
Protein Names	Recommended name: MAP kinase-activated protein kinase 5 Short name= MAPK-activated protein kinase 5 Short name= MAPKAP kinase 5 Short name= MAPKAP-K5 Short name= MAPKAPK-5 Short name= MK-5 Short name= MK5
Expression Region	1-473
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This protein is a member of the serine/threonine kinase family. In response to cellular stress and proinflammatory cytokines, this kinase is activated through its phosphorylation by MAP kinases including MAPK1/ERK, MAPK14/p38-alpha, and MAPK11/p38-beta. In vitro, this kinase phosphorylates heat shock protein HSP27 at its physiologically relevant sites. Two alternately spliced transcript variants of this gene encoding distinct isoforms have been reported.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.