Recombinant Rat Mitogen-activated protein kinase 3 (Mapk3)

Product Code	CSB-EP013456RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P21708
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	AAAAAAPGG GGGEPRGTAG VVPVVPGEVE VVKGQPFDVG PRYTQLQYIG EGAYGMVSSA YDHVRKTRVA IKKISPFEHQ TYCQRTLREI QILLRFRHEN VIGIRDILRA PTLEAMRDVY IVQDLMETDL YKLLKSQQLS NDHICYFLYQ ILRGLKYIHS ANVLHRDLKP SNLLINTTCD LKICDFGLAR IADPEHDHTG FLTEYVATRW YRAPEIMLNS KGYTKSIDIW SVGCILAEML SNRPIFPGKH YLDQLNHILG ILGSPSQEDL NCIINMKARN YLQSLPSKTK VAWAKLFPKS DSKALDLLDR MLTFNPNKRI TVEEALAHPY LEQYYDPTDE PVAEEPFTFD MELDDLPKER LKELIFQETA RFQPGAPEAP
Source	E.coli
Target Names	Mapk3
Protein Names	Recommended name: Mitogen-activated protein kinase 3 Short name= MAP kinase 3 Short name= MAPK 3 EC= 2.7.11.24 Alternative name(s): ERT2 Extracellular signal-regulated kinase 1 Short name= ERK-1 Insulin-stimulat
Expression Region	2-380
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 of Mature Protein
Target Details	This protein is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described.
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.