



# Recombinant Rat Mitogen-activated protein kinase 4 (Mapk4)

<b>Product Code</b>	CSB-EP013457RA
<b>Abbreviation</b>	Mapk4
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q63454
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	GCGGNGLVLS ATDSRACRKV AVKKIVLSDA RSMKHALREI KIIRRLDHDN IVKVYEVLPK KGSDLQGELF KFSVAYIVQE YMETDLACLL EQGTLTEEHA KLFMYQLLRG LKYIHSANVL HRDLKPANIF ISTDVLVLI GDFGLARIAD QHYSKGYLS EGLVTKWYRS PRLLLSPNNY TKAIDMWAAG CILAEMLTGK MLFAGAHELE QMQLLDTIP VVREEDKEEL LRVMPFSVSS TWEVKRPLRK LLPDVNREAI DFLEKILTFS PMDR
<b>Source</b>	E.coli
<b>Target Names</b>	Mapk4
<b>Protein Names</b>	Recommended name: Mitogen-activated protein kinase 4 Short name= MAP kinase 4 Short name= MAPK 4 EC= 2.7.11.24 Alternative name(s): Extracellular signal-regulated kinase 4 Short name= ERK-4 MAP kinase isoform p63
<b>Expression Region</b>	1-274
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	Mitogen-activated protein kinase 4 is a member of the mitogen-activated protein kinase family. Tyrosine kinase growth factor receptors activate mitogen-activated protein kinases which then translocate into the nucleus where it phosphorylates nuclear targets.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.