



# Recombinant Mouse RAC-beta serine/threonine-protein kinase (Akt2)

<b>Product Code</b>	CSB-MP717138MO
<b>Abbreviation</b>	Akt2
<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>	Q60823
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MNEVSVIKEG WLHKRGEYIK TWRPRYFLLK SDGSFIGYKE RPEAPDQTLPLN PLNFSVAEC QLMKTERPRP NTFVIRCLQW TTVIERTFHV DSPDEREEWM RAIQMVANSL KQRGPGEDAM DYKCGSPSDS STSEMMEVAV NKARAKVTMN DFDYLKLLGK GTFGKVLVR EKATGRYYAM KILRKEVIA KDEVAHTVTE SRVLQNTRHP FLTALKYAFQ THDRLCFVME YANGGELFFH LSRERVFTED RARFYGAEIV SALEYLHSRD VVYRDIKLEN LMLDKDGHK ITDFGLCKEG ISDGATMKTF CGTPEYLAPE VLEDNDYGRA VDWWGLGVVM YEMMCGRLPF YNQDHERLFE LILMEEIRFP RTLGPPEAKSL LAGLLKDPK QRLGGGPSDA KEVMEHRFFL SINWQDVVQK KLLPPFKPQV TSEVDTRYFD DEFTAQSITI TPPDRYDSL DPLELDQRTHF PQFSYSASIR E
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Akt2
<b>Protein Names</b>	Recommended name: RAC-beta serine/threonine-protein kinase EC= 2.7.11.1 Alternative name(s): Protein kinase Akt-2 Protein kinase B beta Short name= PKB beta RAC-PK-beta
<b>Expression Region</b>	1-481
<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>	This gene is a putative oncogene encoding a protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. The gene was shown to be amplified and overexpressed in 2 of 8 ovarian carcinoma cell lines and 2 of 15 primary ovarian tumors. Overexpression contributes to the malignant phenotype of a subset of human ductal pancreatic cancers. The encoded protein is a general protein kinase capable of phosphorylating several known proteins.



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**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.

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