



# Recombinant *Xenopus laevis* RAC-alpha serine/threonine-protein kinase (akt1)

|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-EP857839XBE-B   |
| <b>Abbreviation</b>      | akt1  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | Q98TY9  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | <i>Xenopus laevis</i> (African clawed frog)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MNEVAIVKEG WLHKRGEYIK TWRPRYFLLK SDGTFIGYKE RPQDVDQLET<br>PLNNSVAKC QLMKTERPKP NTFIIRCLQW TTVIERTFHV DSPEEREWI<br>QVIQHVADNL KKQEEEMMEV RSGDSPSDNS GAEEMEVSLS<br>KPKHKVTMNE FEYLKLLGKG TFGKVILVKE KATGRYYAMK ILKKEVIVAK<br>DEVAHTLTEN RVLQNSRHPF LTALKYSFQT HDRLCFVMEY ANGGELFFHL<br>SRERIFSEDR ARFYGAEIVS ALDYHSEKN VVYRDLKLEN LMLDKDGHK<br>ITDFGLCKEG IKDGATMKTG CGTPEYLAPE VLEDNDYGRA VDWGGLGVVM<br>YEMMCGRLPF YNQDHEKLFELILMEEIRFP RTLLPEAKSL LSGLLKKDPK<br>QRLGGGPDDA KEIMQHKFFA GIVWQDVYEK KLVPPFKPQV TSETDTRYFD<br>EEFTAQMITI TPPDQDDNFE FVDNERRPHF PQFSYSASGN A |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | akt1  |
| <b>Protein Names</b>     | Recommended name: RAC-alpha serine/threonine-protein kinase EC= 2.7.11.1<br>Alternative name(s): Protein kinase Akt-1 Short name= xAkt Protein kinase B,<br>alpha Short name= PKB alpha RAC-PK-alpha  |
| <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>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.