



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

Product Code	CSB-EP857839XBE
Abbreviation	akt1
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.	Q98TY9
Product Type	Recombinant Protein
Immunogen Species	<i>Xenopus laevis</i> (African clawed frog)
Purity	≥85% (SDS-PAGE)
Sequence	MNEVAIVKEG WLHKRGEYIK TWRPRYFLLK SDGTFIGYKE RPQDVDQLET PLNNSVAKC QLMKTERPKP NTFIIRCLQW TTVIERTFHV DSPEEREWI QVIQHVADNL KKQEEEMMEV RSGDSPSDNS GAEEMEVSHS KPKHKVTMNE FEYLKLLGKG TFGKVILVKE KATGRYYAMK ILKKEVIVAK DEVAHTLTEN RVLQNSRHPF LTALKYSFQT HDRLCFVMEY ANGGELFFHL SRERIFSEDR ARFYGAEIVS ALDYHSEKN VVYRDLKLEN LMLDKDGHK ITDFGLCKEG IKDGATMKTF CGTPEYLAPE VLEDNDYGRA VDWWGLGVVM YEMMCGRLPF YNQDHEKLFELILMEEIRFP RTLLPEAKSL LSGLLKKDPK QRLGGPDDA KEIMQHKFFA GIVWQDVYEK KLVPPFKPQV TSETDTRYFD EEFTAQMITI TPPDQDDNFE FVDNERRPHF PQFSYSASGN A
Source	E.coli
Target Names	akt1
Protein Names	Recommended name: RAC-alpha serine/threonine-protein kinase EC= 2.7.11.1 Alternative name(s): Protein kinase Akt-1 Short name= xAkt Protein kinase B, alpha Short name= PKB alpha RAC-PK-alpha
Expression Region	1-481
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
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.