



Recombinant Rat STE20-related kinase adapter protein alpha (Strada)

Product Code	CSB-BP766505RA
Abbreviation	Strada
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.	Q7TNZ6
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MSFLANEASS ESIAFSKPE IMSSFLPEGG CYELLSVIGK GFEDLMTVNS RYKPTGEYVT VRRINLEACS NEMVTFLQGE LHSVSKLFSHP NIVPYRATFI ADNELWAVTS FMAYGSAKDL IGTHFMDGMS ELAIAYILQG VLKALDYIHH MGYVHRSVKA SHILISTDGK VYLSGLRSNL SMISHGQRQR AVHDFPKYSI KVLPWLSPEV LQQNLQGYDA KSDIYVIGIT ACELANGHVP FKDMPATQML LEKLNQTVPC LLDTSTIPAE ELTMSPRSI ANPGLNDSL AGLSRPANGD SPSHPYHRTF SPHFHNFVEQ CLQRNPDARP NASTLLNHSF FKQIKRRASE ALPELLRPVT PITSFEGSQS QDHSGILGLV TNLEDLEVDD WEF
Source	Baculovirus
Target Names	Strada
Protein Names	Recommended name: STE20-related kinase adapter protein alpha Short name=STRAD alpha Alternative name(s): STE20-related adapter protein
Expression Region	1-393
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
Target Details	This protein contains a STE20-like kinase domain, but lacks several residues that are critical for catalytic activity, so it is termed a pseudokinase. The protein forms a heterotrimeric complex with serine/threonine kinase 11 (STK11, also known as LKB1) and the scaffolding protein calcium binding protein 39 (CAB39, also known as MO25). The protein activates STK11 leading to the phosphorylation of both proteins and excluding STK11 from the nucleus. The protein is necessary for STK11-induced G1 cell cycle arrest. A mutation in this gene has been shown to result in polyhydramnios, megalencephaly, and symptomatic epilepsy (PMSE) syndrome. Multiple transcript variants encoding different isoforms have been found for this gene. Additional transcript variants



have been described but their full-length nature is not known.

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

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