



Recombinant Sheep 14-3-3 protein gamma (YWHAG)

Product Code	CSB-MP026288SH
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P68253
Product Type	Recombinant Protein
Immunogen Species	Ovis aries (Sheep)
Purity	>85% (SDS-PAGE)
Sequence	AAAMKNVTEL NEPLSNEERN LLSVAYKNVV GARRSSWRVI SSIEQKTSFY LKMKGDYRY LAEVATGEKR ATVVESSEKA YSEAHEISKE HMQPTHPIRL GLALNYSVFY YEITAFDDAI AELDTLNEDS YKDSTLIMQL LRDNLTLWTS DQQDDDGG
Source	Mammalian cell
Target Names	YWHAG
Protein Names	Recommended name: 14-3-3 protein gamma Alternative name(s): Protein kinase C inhibitor protein 1 Short name= KCIP-1
Expression Region	1-158
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 gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 100% identical to the rat ortholog. It is induced by growth factors in human vascular smooth muscle cells, and is also highly expressed in skeletal and heart muscles, suggesting an important role for this protein in muscle tissue. It has been shown to interact with RAF1 and protein kinase C, proteins involved in various signal transduction pathways.
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.