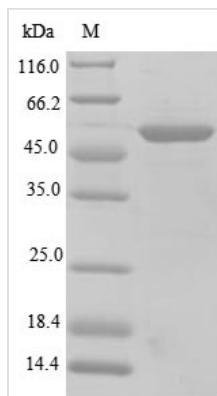




Recombinant Mouse S-arrestin (Sag)

Product Code	CSB-EP020669MOa0
Relevance	Binds to photoactivated, phosphorylated RHO and terminates RHO signaling via G-proteins by competing with G-proteins for the same binding site on RHO. May play a role in preventing light-dependent degeneration of retinal photoreceptor cells
Abbreviation	Recombinant Mouse Sag protein
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.	P20443
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MAACGKTNKSHVIFKKVSRDKSVTIYLGKRDYVDHVSQVEPVDGVVLVDPELV KGKKVYVTLTCAFRYGQEDIDVMGLTFRRLDYFSRVQVYPPVGAMSVLTQLQ ESLLKKLGDNTYPFLLTFPDYLPSCSVMLQPAPQDVGKSCGVDFEVKAFASDIT DPEEDKIPKKSSVRLLIRKVQHAPPEMGPQPSAEASWQFFMSDKPLNLSVLS KEIYFHGEPIPVTVTVTNNTDKVVKKIKVSVEQIANVVLYSSDYYVKPVASEETQ EKVQPNSTLTCTLVLP LLANNRERRGIALDGKIKHEDTNLASSTIIKEGIDRTVM GILVSYHIKVKLTVSGFLGELTSSEVATEVPFRLMHPQPEDPAKESVQDENLVF EEFARQNLKDTGENTEGKKDEDEDAGQDE
Research Area	Signal Transduction
Source	E.coli
Target Names	Sag
Protein Names	48 kDa protein (Retinal S-antigen) (S-AG) (Rod photoreceptor arrestin)
Expression Region	1-403aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	50.4 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.