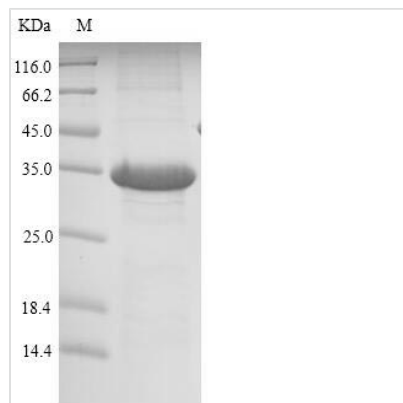




Recombinant Mouse Lithostathine-1 (Reg1)

Product Code	CSB-EP337329MO
Relevance	Might act as an inhibitor of spontaneous calcium carbonate precipitation.
Abbreviation	Recombinant Mouse Reg1 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.	P43137
Alias	Islet of Langerhans regenerating protein 1 Short name:REG 1 Pancreatic stone protein 1 Short name:PSP Pancreatic thread protein 1 Short name:PTP Regenerating protein 1
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	QEAEEDLP SARISCPEGSNAYSSYCYFTEDRLTWADADLFCQNMNSGYLVS VLSQAEGNFVASLIKESGTTDANVWTGLHDPKRNRRWHWSSGSLFLYKSWA TGSPNSSNRGYCVSLTSNTGYKKWKDDNCDAQYSFVCKFKG
Research Area	Cell Biology
Source	E.coli
Target Names	Reg1
Protein Names	Recommended name: Lithostathine-1 Alternative name(s): Islet of Langerhans regenerating protein 1 Short name= REG 1 Pancreatic stone protein 1 Short name= PSP Pancreatic thread protein 1 Short name= PTP Regeneratin
Expression Region	22-165aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	32.2kDa
Protein Length	Full Length of Mature Protein
Image	



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

Description

Elevate your cell biology studies with our Recombinant Mouse Reg1, also known as Islet of Langerhans regenerating protein 1. This E.coli-expressed protein is instrumental in numerous biological processes, particularly those related to cellular regeneration and repair.

Our Reg1 offers the full length of the mature protein (22-165aa), delivering a comprehensive view of its function and structure. This protein is expressed with a N-terminal 6xHis-SUMO tag, ensuring efficient purification and stability. With a purity of over 90% as determined by SDS-PAGE, our Recombinant Mouse Reg1 meets the stringent requirements of scientific investigation. You have the flexibility of choosing between a liquid form for immediate experimentation or lyophilized powder for prolonged storage, according to your research needs.

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.