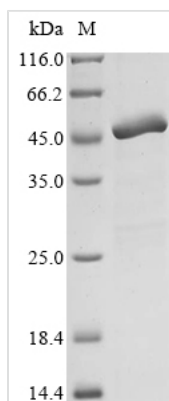




Recombinant Pig Leukocyte elastase inhibitor (SERPINB1)

Product Code	CSB-EP021065PI
Abbreviation	Recombinant Pig SERPINB1 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.	P80229
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Sus scrofa (Pig)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MEQLSAANTRFALDLFRALNESNPAGNIFISPFSSISSALAMILLGTRGNTEAQMS KALHFDTVKDIHSRFQSLNADINKCGASYILKLANRLFGEKTYHFLPEFLASTQK TYGAELASVDLFRASEEARKAINWVKEQTEGKIPPELLASGVVDSATKLVLVNA IYFKGSWQEKFMTEATKDAPFRLNKKDSKTVKMMYQKKKFPFGYIKELKCRVL ELPYQGKDLSMVILLPDSIEDESTGLRKIEQHLTLEKLNEWTKPDNLELLEVN LPRFRLEESYDLNAPLARLGVQDLFGSRADLTGMSEARDLFISKVVHKAFVEV NEEGTEAAAATAGIAVFAMLMPEEDFIADHPFIFFIRHNPSSNILFLGRLSSP
Research Area	Cardiovascular
Source	E.coli
Target Names	SERPINB1
Protein Names	Recommended name: Leukocyte elastase inhibitor Short name= LEI Alternative name(s): Leukocyte neutral proteinase inhibitor Short name= LNPI Serpin B1
Expression Region	1-378aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	50.0 kDa
Protein Length	Full Length
Image	



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

Description

The production of the recombinant Pig SERPINB1 protein begins with the creation of the recombinant plasmid, which is synthesized by inserting the gene encoding the Pig SERPINB1 protein (1-378aa) into a plasmid vector. The recombinant plasmid is introduced into e.coli cells. e.coli cells that can survive in the presence of a specific antibiotic are selected and then cultured under conditions conducive to the expression of the gene of interest. The protein is equipped with a N-terminal 10xHis tag and C-terminal Myc tag. Following expression, the recombinant SERPINB1 protein is isolated and purified from the cell lysate using affinity purification. Denaturing SDS-PAGE is then employed to resolve the resulting recombinant Pig SERPINB1 protein, demonstrating a purity exceeding 85%.

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.