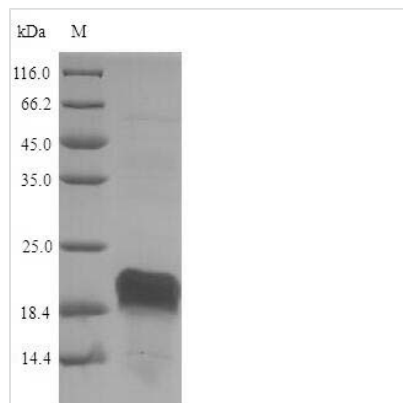




Recombinant Pig Heat shock protein HSP 90-alpha (HSP90AA1), partial

Product Code	CSB-BP010802PI
Relevance	Molecular chaperone that promotes the maturation, structural maintenance and proper regulation of specific target proteins involved for instance in cell cycle control and signal transduction. Undergoes a functional cycle that is linked to its ATPase activity. This cycle probably induces conformational changes in the client proteins, thereby causing their activation. Interacts dynamically with various co-chaperones that modulate its substrate recognition, ATPase cycle and chaperone function (By similarity). Binds bacterial lipopolysaccharide (LPS) et mediates LPS-induced inflammatory response, including TNF secretion (By similarity).
Abbreviation	Recombinant Pig HSP90AA1 protein, partial
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.	O02705
Product Type	Recombinant Protein
Immunogen Species	Sus scrofa (Pig)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	VEKERDKEVSDDEAEKEDKEEKEKEEKESEDKPEIEDVGSDEEEEEKKDG DKKKKKKKIKEKYIDQEELNKTPIWTRNPDDITNEEYGEFYKSLTNDWEDHLAV KHFSVEGQLEFRALLFVPRRAPFDLFENRKKKNNIKLYVR
Research Area	Signal Transduction
Source	Baculovirus
Target Names	HSP90AA1
Protein Names	Recommended name: Heat shock protein HSP 90-alpha
Expression Region	222-367aa
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	19.7kDa
Protein Length	Partial
Image	



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

Description

The Recombinant *Sus scrofa* (Pig) HSP90AA1 is a carefully produced replica of the native Heat shock protein HSP 90- α . This product is specifically created for researchers working in the area of Signal Transduction.

This protein is expressed using Baculovirus as the host system, covering a partial length of the protein from 222-367aa. This strategy aims to replicate the crucial functional features of the Heat shock protein HSP 90- α . An N-terminal 6xHis-tag is incorporated for easy purification and detection.

The Recombinant Pig HSP90AA1 comes with a promise of quality, which is substantiated by a purity level of over 90% as determined by SDS-PAGE. This assurance means that you can rely on our product for its performance in your experiments.

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.