

# Recombinant Chicken SERPINH1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08213

**Protein Name:** Serpin H1 (SERPINH1)

**Aliases:** CBP1; CBP2; OI10; gp46; AsTP3; HSP47; PIG14; PPR0M; RA-A47; SERPINH2; serpin H1; colligin-colligin-heat shock protein 47; serpin family H member 47 kDa heat shock protein; cell proliferation-inducing ...

**UniProt ID:** P50454

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P50454/entry>

**Species Source:** Gallus gallus (Chicken)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (16-405aa)

**Molecular Weight:** 51.7

**Protein Tag:** N-terminal 10xHis-tagged and C-terminal Myc-tagged

## 2. Amino Acid Sequence (16-405aa)

VPSEDRKLSKATTLADRSTTLAFNLYHAMAKDKNMENILLSPVVVASSLGLVSLGG  
KATTASQAKAVLSADKLNDDYVHSGLSSELLNEVSNSTARNVTWKIGNRLYGPASINF  
ADDFVKNSKKHYNYEHSKINFRDKRSALKSINEWAAQTDDGKLPEVTKDVEKTDGA  
LIVNAMFFKPHWDEKFFHMKMVDNRGFMVTRS YTVGVPMMHRTGLYNYYDDEAEK  
LQVVEMPLAHLKSSMIFIMPNHVEPLERVEKLLNREQLKTWASKMKKRSVAISLPKV  
VLEVSHDLQKHLADLGLTEAIDKTKADLSKISGKKDLYLSNVFHAAALEWDTDGNPY  
DADIYGREEMRNPCLFYADHPFIFMIKDSKTNSILFIGRLVVRPKGDKMRDEL

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## 5. Product Description

This product is a recombinant Chicken SERPINH1 full length of mature protein protein (16-405aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. SERPINH1, also known as CBP1 or CBP2 or OI10, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.