

# Recombinant Mouse SERPING1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08212

**Protein Name:** Serpin G1 (SERPING1)

**Aliases:** C1IN; C1NH; HAE1; HAE2; C1INH; serpin G1; C1-inhibitor; C1-inhibiting factor; C1 esterase inhibitor; complement component 1 inhibitor; epididymis secretory sperm binding protein

**UniProt ID:** P05155

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P05155/entry>

**Species Source:** Mus musculus (Mouse)

**Expression System:** E.coli

**Protein Length:** Partial (31-503aa)

**Molecular Weight:** 56.3kDa

**Protein Tag:** N-terminal 6xHis-tagged

## 2. Amino Acid Sequence (31-503aa)

TQDPLEAQAKSRESFPERDDSWSPPEPTVLPSTWPTTSVAITITNDTMGKVANESF  
SQHSQPAAQLPTDSPGQPPLNSSSQPSTASDLPTQATTEPFCPEPLAQCSDDRD  
SSEAKLSEALTDVSVKLYHAFSATKMAKTNMAFSPFSIASLLTQVLLGAGDSTKSNL  
ESILSYPKDFACVHQALKGFSSKGVTSVSIQIFHSPDLAIRDTYVNASQSLYGSSPRV  
LGPDSAANLELINTWVAENTNHKIRKLLDSLPSDTCLVLLNAVYLSAKWKITFEPKKM  
MAPFFYKNSMIKVPMMSSVKYPVAQFDDHTLKAKVGQLQLSHNLSFVIVVPVFPKH  
QLKDVEKALNPTVFKAIMKKLELSKFLPTYLTMPHIKVKSSQDMLSVMEKLEFFDFTY  
DLNLCGLTEDPDLQVSAMKHETVLELTESGVEAAAASAI SFGRSLPIFEVQRPFLL  
WDQQHRFPVFMGRVYDPR

## 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



## 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 Mouse SERPING1 partial protein (31-503aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. SERPING1, also known as C1IN or C1NH or HAE1, 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.