

Recombinant Human SERPINA3 Protein Product Manual

1. Product Basic Information

Product No.: REP08201

Protein Name: Serpin A3 (SERPINA3)

Aliases: ACT; AACT; GIG24; GIG25; serpin A3; alpha-1-antichymotrypsin; growth-inhibiting protein 25; cell growth-inhibiting gene 24/25 protein

UniProt ID: P01011

UniProt Link: <https://www.uniprot.org/uniprotkb/P01011/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Full Length of Mature Protein (24-423aa)

Molecular Weight: 47.0 kDa

Protein Tag: C-terminal 10xHis-tagged

2. Amino Acid Sequence (24-423aa)

HPNSPLDEENLTQENQDRGTHVDLGLASANVDFAFSLYKQLVLKAPDKNVIFSP
SLI STALAFSLG AHNTTLTEILKGLKFNL TETSEAEIHQSFQHLLRTL NQSSDELQLSMG
NAMFVKEQLSLLDRFTEDAKRLYGSEAFATDFQDSAAAKKLINDYVKN GTRGKITDL
IKDLDSQTMMVLVNYIFFKAKWEMPDPDTHQSRFYLSKKKWVMVPMMSLHHLTI
PYFRDEELSCTVVELKYTGNASALFILPDQDKMEEVEAMLLPETLKRWRDSLEFREI
GELYLPKFSISR DYNLNDILLQLGIEEAFTSKADLSGITGARNLAVSQVVHKAVLDVFE
EGTEASAATAVKITLLSALVETRTIVRFNRPFMIIVPTDTQNIFFMSKVTNPKQA

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 Human SERPINA3 full length of mature protein protein (24-423aa) expressed in Mammalian cell. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. SERPINA3, also known as ACT or AACT or GIG24, 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.