



Recombinant strain KOS gD Protein Product Manual

1. Product Basic Information

Product No.: REP06964

Protein Name: Progesterone Associated Endometrial Protein (gD)

Aliases: progesterone associated endometrial protein

UniProt ID: P57083

UniProt Link: <https://www.uniprot.org/uniprotkb/P57083/entry>

Species Source: Human herpesvirus 1 (strain KOS) (HHV-1) (Human herpes simplex virus 1)

Expression System: E.coli

Protein Length: partial (26-340aa)

Molecular Weight: 42.3 kDa

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

2. Amino Acid Sequence (26-340aa)

KYALADASLKMDPNRFRGKDLPLVDQLTDPPGVRRVYHIQAGLPDPFQPPSLPITV
YYAVLERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGNGCAIPITVME
YTECSYNKSLGACPIRTQPRWNYYSFSAVSEDNLGFLMHAPAFETAGTYLRLVKI
NDWTEITQFILEHRAKGSKYALPLRIPPSACLSPQAYQQGVTVDISGMLPRFIPEN
QRTVAVYSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVG
TVAPQIPPNWHIPSIQDAATPYHPPATPNNM

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 strain KOS gD partial protein (26-340aa) 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. gD, also known as progestagen associated endometrial protein, 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.