



Recombinant isolate Australian env Protein Product Manual

1. Product Basic Information

Product No.: REP06780

Protein Name: Envelope Surface Glycoprotein Gp160, Precursor (env)

Aliases: Envelope surface glycoprotein gp160, precursor

UniProt ID: P21415

UniProt Link: <https://www.uniprot.org/uniprotkb/P21415/entry>

Species Source: Bovine leukemia virus (isolate Australian) (BLV)

Expression System: Mammalian cell

Protein Length: Partial (34-301aa)

Molecular Weight: 60.3 kDa

Protein Tag: N-terminal GST-tagged and C-terminal 6xHis-tagged

2. Amino Acid Sequence (34-301aa)

WRCSLSLGNQQWMTAYNQEAKFSISIDQILEAHNQSPFCAKSPRYTLDSVNGYPKI
YWPPPQGRRRFGARAMVTYDCEPRCPYVGADRFDPCPHWDNASQADQGSFYVNH
QILFLHLKQCHGIFTLTWEIWGYDPLITFSLHKIPDPPQPDFPQLNSDWVPSVRSWA
LLLNQTARAFPDCAICWEPSPPWAPEILVYNKTISSSGPGLALPDAQIFWVNTSSFN
TTQGWHHPSQRLLFNVSQGNALLPISLVNLSTASSAPPTRVRR

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

5. Product Description

This product is a recombinant isolate Australian env partial protein (34-301aa) expressed in Mammalian cell. The protein is dual-tagged with GST tag at the N-terminus and 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. env, also known as Envelope surface glycoprotein gp160, precursor, 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.