



Recombinant Golden hamster CD4 Protein Product Manual

1. Product Basic Information

Product No.: REP06382

Protein Name: Cd4 Molecule (CD4)

Aliases: T4; IMD79; Leu-OKT4D; CD4mut; CD4 molecule; CD4 receptor; CD4 antigen (p55)

UniProt ID: P01730

UniProt Link: <https://www.uniprot.org/uniprotkb/P01730/entry>

Species Source: Mesocricetus auratus (Golden hamster)

Expression System: E.coli

Protein Length: Partial (26-393aa)

Molecular Weight: 70.09999999999999

Protein Tag: N-terminal GST-tagged and C-terminal Strep II-tagged

2. Amino Acid Sequence (26-393aa)

KTVLLGREGKSIELPCDGSQRKSAVFTWKLSDQTKILGNNKQSNFVARAQSERFSR
FDSRKAAWDRGSFPLVINKLKVEDSNTYICEVENKKTEVELWVFKLTVSPDVRLLQG
QTLTLRLDSSSKVTNPSMKCSGPGDRVVTDSRVYSVPNLRIQDSGIWTCIVTQNQK
KETVNIDISVLGFQKTSTTVYTRDGESAEFSFPLNFGDENLQGELKWRTEKDPSPSP
WVTFSLNRKVTMAKDTRKLQMAEELPLRLKILQVSLENAGSGNLTTLAKGTLHQE
VTLVVLKLTQNNNILTCEVRGPTSPKMRLTLVPEKQEARVSKQEKVVEVPDPEAGL
WRCVLYEAEEVKMNADIQVSSRGLNQDQP

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 Golden hamster CD4 partial protein (26-393aa) expressed in E.coli. The protein is dual-tagged with GST tag at the N-terminus and Strep tag at the C-terminus, which facilitates protein purification, detection and identification. CD4, also known as T4 or IMD79 or Leu-OKT4D, 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.