



Recombinant Human CD80 Protein Product Manual

1. Product Basic Information

Product No.: REP06398

Protein Name: Cd80 Molecule (CD80)

Aliases: B7; BB1; B7-B7.LAB7; CD28LG; CD28LG1; CD80 molecule; activation B7-1 antigen; costimulatory factor CD80; T-lymphocyte activation antigen CD80; costimulatory molecule variant IgV-CD80

UniProt ID: P33681

UniProt Link: <https://www.uniprot.org/uniprotkb/P33681/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Extracellular Domain (35-242aa)

Molecular Weight: 51.4 kDa

Protein Tag: C-terminal hFc1-Myc-tagged

2. Amino Acid Sequence (35-242aa)

VIHVTKEVKEVATLSCGHNVSVVEELAQTRIWQKEKKMVLTMMSGDMNIWPEYKN
RTIFDITNNLSIVILALRPSDEGTYECVVLYEKDAFKREHLAEVTLVKADFPTPSISD
FEIPTSNIRRIICSTSGGFPEPHLSWLENGEELNAINTTVSQDPETELYAVSSKLDFN
MTTNHSFMCLIKYGHRLRVNQTFNWNTTKQEHFPDN

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

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 CD80 extracellular domain protein (35-242aa) expressed in Mammalian cell. The protein is with hFc1-Myc tag at the C-terminus, which facilitates protein purification, detection and identification. CD80, also known as B7 or BB1 or B7-B7.LAB7, 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.