
Product Data Sheet

Product Name: CD86 Human
 Cat. No.: GP26243
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	B7-2/CD86, CD86, B7-2, B7.2, B70, CD28LG2, LAB72, T-lymphocyte activation antigen CD86, Activation B7-2 antigen, B70, BU63, CTLA-4 counter-receptor B7.2, FUN-1.		
Amino Acid Sequence	YFNETADLPC QFANSQNQSL SELVFWQDQ ENLVLNEVYL GKEKFDSVHS KYMGRTSFDS DSWTLRLHNL QIKDKGLYQC IHHKKPTGM IRIHQMNSEL SVLANFSQPE IVPISNITEN VYINLTCSSI HGYPEPKKMS VLLRTKNSTI EYDGIMQKSQ DNVTELYDVS ISLSVSFPDV TSNMTIFCIL ETDKTRLLSS PFSIELEDPQ PPPDHIPHHH HHH.		
Formulation	CD86 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

CD86, also known as B7-2 or Cluster of Differentiation 86 is a protein necessary for T cell activation and survival, it is expressed on cells that are antigen-presenting cells and acts as costimulatory signals for T cells. CD86 is the ligand for CD28(for autoregulation and intercellular association) andCTLA-4(for attenuation of regulation and cellular disassociation), two different proteins.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Background

CD86 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated

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polypeptide chain containing 223 amino acids (31-247a.a.) and having a molecular mass of 25.6kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). CD86 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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