
Product Data Sheet

Product Name: CD83 Human
 Cat. No.: GP23078
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BL11; HB15; hCD83; B-cell activation protein; Cell surface protein HB15.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSTPEVKVA CSEDVDLPCT APWDPQVPYT VSWVKLLEGG EERMETPQED HLRGQHYHQK GQNGSFDAPN ERPYSLKIRN TTSCNSGTYR CTLQDPDGQR NLSGKVILRV TGCPAQRKEE TFKKYRAE.		
Formulation	CD83 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 30% glycerol.		

Introduction

CD83 is a single-pass type I membrane protein and part of the immunoglobulin superfamily of receptors. CD83 involves in the regulation of antigen presentation. A soluble form of CD83 can bind to dendritic cells and inhibit their maturation. There were 3 transcript variants encoding different isoforms for CD83.

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

CD83 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 148 amino acids (20-144a.a) and having a molecular mass of 16kDa. CD83 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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