

## CD83 Human

**Description:** 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.

Catalog #: PRPS-026

For research use only.

**Synonyms:** BL11, HB15, hCD83, B-cell activation protein, Cell surface protein HB15.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSTPEVKVA CSEDVDLPCT  
APWDPQVPYT VSWVKLLEGG EERMETPQED HLRGQHYHQK GQNGSFDAPN ERPYSLKIRN  
TTSCNSGTYR CTLQDPDGQR NLSGKVILRV TGCPAQRKEE TFKKYRAE.

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

CD83 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 30% glycerol.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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