

AR50749PU-S**Human CD83 (20-144, His-tag) - Purified****Alternate names:**

B-cell activation protein, Cell surface protein HB15, HB15

Quantity:

50 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

CD83 is a single-pass type I membrane protein and member of the immunoglobulin superfamily of receptors. The protein may be involved in the regulation of antigen presentation. A soluble form of this protein can bind to dendritic cells and inhibit their maturation. Three transcript variants encoding different isoforms have been found for this gene.

Uniprot ID:[Q01151](#)**NCBI:**[NP_001035370](#)**GeneID:**[9308](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol.**Description:**

Recombinant human CD83 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSTPEVKVA CSADVLPCT APWDPQVPYT VSWVKLLEGG
EERMETPQED HLRGQHYHQK GQNGSFDAPN ERPYSLKIRN TTSCNSGTYS CTLQDPDGQR
NLSGKVILRV TGCPAQRKEE TFKKYRAE

Molecular weight: 16 kDa (148aa) confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Zhou LJ, Tedder TF, et al. (1995). J Immunol. 154(8):3821-35. Lechmann M, Berchtold S, et al. (2002). Trends Immunol. 23(6):273-5.

Pictures:

