

Human CD83 Protein, His Tag

Catalog # CD3-H5223



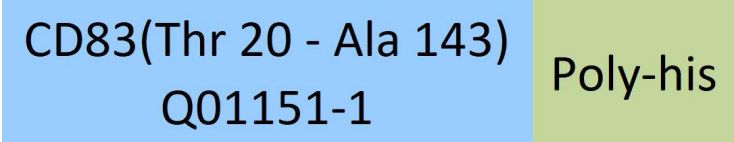
Synonym

CD83,HB15,hCD83,BL11

Source

Human CD83, His Tag(CD3-H5223) is expressed from human 293 cells (HEK293). It contains AA Thr 20 - Ala 143 (Accession # [Q01151-1](#)).
Predicted N-terminus: Thr 20

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.
The protein has a calculated MW of 14.9 kDa. The protein migrates as 17-18 kDa, 20-22 kDa and 25-30 kDa under reducing (R) condition (SDS-PAGE) due to different glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

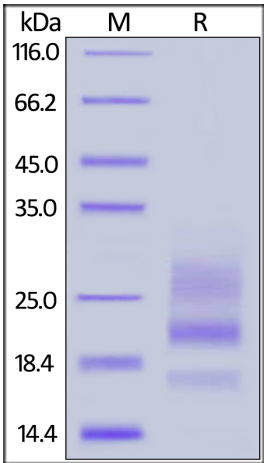
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human CD83, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Background

CD83 antigen is also known as B-cell activation protein and Cell surface protein HB15. CD83 is a single-pass type I membrane protein which contains one Ig-like V-type (immunoglobulin-like) domain. CD83 is expressed by activated lymphocytes, Langerhans cells and interdigitating reticulum cells. CD83 may play a significant role in antigen presentation or the cellular interactions that follow lymphocyte activation.

