



Recombinant Protein Technical Manual  
Recombinant Human CD83/HB15 Protein (His Tag)  
RPES0159

#### Product Data:

**Product SKU:** RPES0159

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q01151

#### Protein Information:

**Molecular Mass:** 15.1 kDa

**AP Molecular Mass:** 19-22 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** CD83 Antigen; hCD83; B-Cell Activation Protein; Cell Surface Protein HB15; CD83

## Immunogen Information:

**Sequence:** Thr 20-Ala143

## Background:

CD83 antigen 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. It contains one Ig-like V-type (immunoglobulin-like) domain. , the soluble CD83 has the opposite effect and has an immune inhibitory capacity. Due to its immune inhibitory function, CD83 may play a significant role in antigen presentation or the cellular interactions that follow lymphocyte activation.