

## Active Recombinant Human CD83, HIgG1 Fc-tagged, mutant

**Cat. No.** CD83-2065H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	The extracellular domain of human CD83 (NP_004224.1) (Thr20-Ala131) is fused to the N-terminus of the Fc region of a mutant human IgG1 was expressed in CHO cell.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	20-131 a.a.
<b>Description</b>	The protein encoded by this gene is a single-pass type I membrane protein and member of the immunoglobulin superfamily of receptors. The encoded 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
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured by the ability of the immobilized protein to support the adhesion of human monocyte-derived dendritic cells.
<b>Molecular Mass</b>	41 KDa (monomer)
<b>AA Sequence</b>	Thr20-Ala131
<b>Endotoxin</b>	<0.06 eu/µg="" as="" determined="" by="" lal="" test=""="">

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	>98%, by SDS-PAGE under reducing conditions.
<b>Stability</b>	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
<b>Reconstitution</b>	Reconstitute at 100µg/ml in sterile PBS.
<b>Warning</b>	Avoid freeze/thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	CD83 CD83 molecule [ Homo sapiens ]
<b>Official Symbol</b>	CD83
<b>Synonyms</b>	CD83; CD83 molecule; CD83 antigen (activated B lymphocytes, immunoglobulin superfamily) , CD83 molecule; CD83 antigen; BL11; HB15; hCD83; B-cell activation protein; cell surface protein HB15; cell-surface glycoprotein; CD83 antigen (activated B lymphocytes, immunoglobulin superfamily);
<b>Gene ID</b>	9308
<b>mRNA Refseq</b>	NM_001040280
<b>Protein Refseq</b>	NP_001035370
<b>MIM</b>	604534
<b>UniProt ID</b>	Q01151
<b>Chromosome</b>	6p23

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