

## B7-2/CD86 Protein, Human (228a.a, HEK293, Fc)

Cat. No.:	HY-P7322
Synonyms:	rHuB7-2/CD86, Fc Chimera; Activation B7-2 antigen; B70; BU63; CD86; CD28LG2
Species:	Human
Source:	HEK293
Accession:	P42081 (L20-P247)
Gene ID:	942
Molecular Weight:	65-80 kDa

### PROPERTIES

AA Sequence	<pre> LSGAAPLKIQ   A Y F N E T A D L P   C Q F A N S Q N Q S   L S E L V V F W Q D Q E N L V L N E V Y   L G K E K F D S V H   S K Y M G R T S F D   S D S W T L R L H N L Q I K D K G L Y Q   C I I H H K K P T G   M I R I H Q M N S E   L S V L A N F S Q P E I V P I S N I T E   N V Y I N L T C S S   I H G Y P E P K K M   S V L L R T K N S T I E Y D G V M Q K S   Q D N V T E L Y D V   S I S L S V S F P D   V T S N M T I F C I L E T D K T R L L S   S P F S I E L E D P   Q P P P D H I P           </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, 5% trehalose and mannitol.
Endotoxin Level	<0.2 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	CD86 is a transmembrane region, and a longer cytoplasmic domain than CD80. CD86 is constitutively expressed on interdigitating dendritic cells (DCs), Langerhans cells, peripheral blood DCs, memory B cells and germinal center B cells, and macrophages. CD86 is rapidly upregulated on B cells following activation by cross-linking of the Ig receptor or the addition of a variety of cytokines <sup>[1]</sup> .
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## REFERENCES

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[1]. Han L, et al. A monoclonal antibody against CD86 and its protection in a murine lupus nephritis model of chronic graft-versus-host disease. Immunopharmacol Immunotoxicol. 2017 Oct;39(5):285-291.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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