

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

Cat. No.:	HY-P7323
Synonyms:	rHuB7-2/CD86, Fc-His; Activation B7-2 antigen; B70; BU63; CD86; CD28LG2
Species:	Human
Source:	HEK293
Accession:	P42081 (L20-P247)
Gene ID:	942
Molecular Weight:	45-55 kDa

PROPERTIES

AA Sequence	<div> <div> L S G A A P L K I Q Q E N L V L N E V Y L Q I K D K G L Y Q E I V P I S N I T E I E Y D G V M Q K S L E T D K T R L L S </div> <div> A Y F N E T A D L P L G K E K F D S V H C I I H H K K P T G N V Y I N L T C S S Q D N V T E L Y D V S P F S I E L E D P </div> <div> C Q F A N S Q N Q S S K Y M G R T S F D M I R I H Q M N S E I H G Y P E P K K M S I S L S V S F P D Q P P P D H I P H H </div> <div> L S E L V V F W Q D S D S W T L R L H N L S V L A N F S Q P S V L L R T K N S T V T S N M T I F C I H H H H </div> </div>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, 5% trehalose and mannitol.
Endotoxin Level	<0.1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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 ^[1] .
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REFERENCES

[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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA