

B7-2/CD86 Protein, Rabbit (HEK293, His)

Cat. No.:	HY-P72766
Synonyms:	T-lymphocyte activation antigen CD86; Activation B7-2 antigen; CD86
Species:	Rabbit
Source:	HEK293
Accession:	P42071 (A23-R246)
Gene ID:	100008999
Molecular Weight:	39-67 kDa

PROPERTIES

AA Sequence	A A S L R I Q A Y F N K T A D L P C Q F T N S Q S R S L S E L V V F W Q D Q E R L V L Y E L F L G R E K P D N V D P K Y I G R T S F D Q E S W N L Q L H N V Q I K D K G V Y Q C F V H H R G A K G L V P I Y Q M N S E L S V L A N F T Q P E I T L I S N I T R N S A I N L T C S S V Q G Y P E P K K M F F V L K T E N A T T E Y D G V I E K S Q D N V T G L Y N I S I S G S I T F S D D I R N A T I Y C V L Q T E S T E T Y S Q H F P I V P A D P V P V E K P R
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<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	<p>B7-2/CD86 Protein functions as a receptor pivotal for the costimulatory signal necessary for T-lymphocyte proliferation and interleukin-2 production, achieved by binding to CD28 or CTLA-4. It plays a crucial role in the early events of T-cell activation and costimulation of naive T-cells, contributing to the decision between immunity and anergy within 24 hours after activation. Additionally, B7-2/CD86 participates in the regulation of B cell function, influencing the level of IgG(1) produced. Upon CD40 engagement, it activates the NF-kappa-B signaling pathway through phospholipase C and protein kinase C activation. The protein forms homodimers and interacts with MARCH8. Furthermore, it engages with PHB1 and PHB2, with</p>
------------	--

the interactions intensifying after priming with CD40.

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