

## B7-2/CD86 Protein, Rat (219a.a, HEK293, His)

Cat. No.:	HY-P7636
Synonyms:	rRtB7-2, His; T-lymphocyte activation antigen CD86; Activation B7-2 antigen; CD86
Species:	Rat
Source:	HEK293
Accession:	O35531 (V29-K247)
Gene ID:	56822
Molecular Weight:	35-55 kDa

### PROPERTIES

AA Sequence	V P V K R Q A Y F N      S T A Y L P C P F T      K A Q N I S P S E L      V V F W Q D R K K S V L Y E H Y L G A E      K L D N V N A K Y L      G R T S F D R D N Q      A L R L H N V Q I K D T G L Y D C F I Q      Q K T P T G S I I L      Q Q W E T E L S V I      A N F S E P E I E E A Q N E T R N T G I      N L T C S S K Q G Y      P K P T K M Y F L I      T N S T N E Y G D N M Q I S Q D N V T K      L F S V S I S L S L      P F P D G V Y N M T      I V C I L E T E S M N I S S K P H N M V      F S Q P Q F D R K H      H H H H H
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 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 <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	The inhibition of CD28 interactions with B7-2 molecules may represent a novel therapeutic target for the treatment of lung mucosal allergic inflammation. B7-2, but not B7-1, is upregulated on lung B cells after allergen provocation <sup>[1][2]</sup> .
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### REFERENCES

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[1]. K S Hathcock, et al. Comparative analysis of B7-1 and B7-2 costimulatory ligands: expression and function. J Exp Med. 1994 Aug 1;180(2):631-40.

[2]. S Tsuyuki, et al. Costimulation through B7-2 (CD86) is required for the induction of a lung mucosal T helper cell 2 (TH2) immune response and altered airway responsiveness. J Exp Med. 1997 May 5;185(9):1671-9.

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

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