

## B7-2/CD86 Protein, Rat (250a.a, HEK293, His)

Cat. No.:	HY-P73492
Synonyms:	Activation B7-2 antigen; B70; BU63; CD86; CD28LG2
Species:	Rat
Source:	HEK293
Accession:	O35531 (M1-I250)
Gene ID:	56822
Molecular Weight:	40-70 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
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>The stimulation of peripheral blood lymphocytes with anti-CD3 and IL-2 induces CD86 expression on T cells, which are capable of providing costimulation to naïve T cells in a human allogeneic system<sup>[1]</sup>.</p> <p>Both CD80 and CD86 are expressed heterogeneously in the tumor microenvironment (TME) at mRNA and protein levels. CD86 can be used as a potential biomarker for the prognosis of glioblastomas (GBMs) with immunotherapy<sup>[5]</sup>.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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