

## Product datasheet for **TP728057**

### Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Biotinylated Human B7-2 (C-Avi-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ala24-Pro247
Tag:	C-Avi-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Note:	Biotinylated Recombinant Human CD86 is produced by our Mammalian expression system and the target gene encoding Ala24-Pro247 is expressed with a AVI, 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Summary:	The protein is the receptor that involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4. It may play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T-cells within 24 hours after activation. Isoform 2 interferes with the formation of CD86 clusters, and thus acts as a negative regulator of T-cell activation. The protein interacts with MARCH8, human herpesvirus 8 MIR2 protein, adenovirus subgroup B fiber proteins and acts as a receptor for these viruses. It is expressed by activated B-lymphocytes and monocytes and promoted by MARCH8 and results in endocytosis and lysosomal degradation. It contains 1 Ig-like C2-type (immunoglobulin-like) domain and 1 Ig-like V-type (immunoglobulin-like) domain.



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