

Product datasheet for **TP727377**

Cd86 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse B7-2/CD86 (C-Fc)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Val26-Glu245
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse B-lymphocyte activation antigen B7-2 is produced by our Mammalian expression system and the target gene encoding Val26-Glu245 is expressed with a Fc tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	12524
UniProt ID:	P42082
Summary:	T-lymphocyte activation antigen CD86 (B7-2) is a glycosylated protein in the B7 family. B7 family members are transmembrane cell surface molecules that play important roles in immune activation and the maintenance of immune tolerance. Mouse CD86 shares 59% and 81% aa sequence identity with human and rat CD86, respectively. It contains 1 Ig-like C2-type domain and 1 Ig-like V-type domain. It is highly expressed on activated antigen presenting cells. CD86 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. It is expressed by activated B-lymphocytes and monocytes and promoted by MARCH8 and results in endocytosis and lysosomal degradation.



[View online »](#)