

## Product datasheet for **TP727522**

### Ctla4 Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Cytotoxic T-Lymphocyte Protein 4/CTLA-4/CD152 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ala37-Asp161
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mMPB,150mMNaCl,pH7.4.
Note:	Recombinant Mouse Cytotoxic T-lymphocyte protein 4 is produced by our Mammalian expression system and the target gene encoding Ala37-Asp161 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	12477
UniProt ID:	<a href="#">P09793</a>
Summary:	Mouse Cytotoxic Tlymphocyte 4(CTLA-4,CD152), is a type I transmembrane T cell inhibitory molecule. mouse CTLA4 cDNA encodes 223 amino acids (aa) including a 35 aa signal sequence, a 126 aa extracellular domain (ECD) with one Ig-like V-type domain, a 21 aa transmembrane (TM) sequence, and a 41 aa cytoplasmic sequence. Within the ECD, Mouse CTLA-4 shares 68% aa sequence identity with human. CTLA4 is similar to the T cell costimulatory protein CD28 since both of the molecules bind to CD80 and CD86 on antigen-presenting cells. CTLA4 transmits an inhibitory signal to T cells, whereas CD28 transmits a stimulatory signal. Intracellular CTLA4 is also found inregulatory T cells and may play an important role in their functions. T cell activation through the T cell receptor and CD28 leads to increased expression of CTLA4. Genetic variations of CTLA4 have been associated with susceptibility to systemic lupus erythematosus(SLE), Gravesdisease(GRD), Celiac disease type3(CELIAC3) and Hepatitis B virus infection(HBVinfection).



[View online »](#)