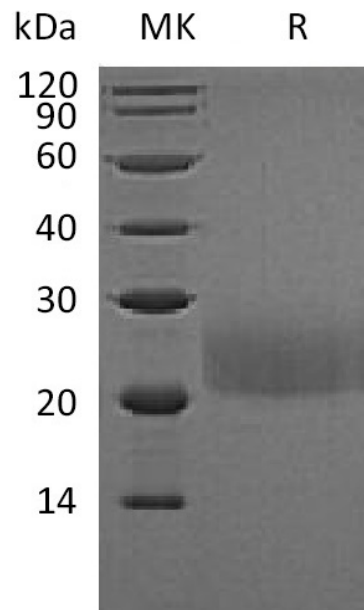


## Summary

<b>Name</b>	CTLA-4/CD152/Cytotoxic T-lymphocyte Protein 4
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	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 Flag tag at the C-terminus.
<b>Accession #</b>	P09793
<b>Host</b>	Human Cells
<b>Species</b>	Mouse
<b>Predicted Molecular Mass</b>	14.7 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image

**Product Name: Recombinant Mouse CTLA-4 (C-Flag)**  
**Catalog #: PHM0513**



### **Alternative Names**

Cytotoxic T-lymphocyte protein 4, Cytotoxic T-lymphocyte-associated antigen 4, CTLA-4, CD152, Ctla4

### **Background**

Mouse Cytotoxic Tlymphocyte 4(CTLA-4,CD152), is a type I transmembrane T cell inhibitory molecule. 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).

### **Note**

For Research Use Only , Not for Diagnostic Use.