Active Recombinant Cynomolgus/Rhesus CTLA4 protein, His-tagged

Cat. No. CTLA4-356C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus/Rhesus CTLA4 protein(XP_005574071.1/Q9BDC4) (Met1-Asp161) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Cynomolgus/Rhesus
Source	HEK293
ProteinLength	Met1-Asp161
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized cynomolgus/rhesus CTLA4-His at 10 μg/ml (100 μl/well) can bind Cynomolgus CD80-Fc, The EC50 of cynomolgus/rhesus CD80-Fc is 0.02-0.04 μg/ml.
Molecular Mass	The recombinant cynomolgus / rhesus CTLA4 comprises 136 amino acids and has a calculated molecular mass of 14.9 KDa. The apparent molecular mass of it is approximately 24 and 21 KDa respectively in SDS-PAGE due to different glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	>95% as determined by SDS-PAGE.

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended to reconstitute the lyophilized powder in sterile water to 100-200 ug/ml, and further dilute with other solvents. The dissolved protein can be stored at 4°C for 2-7 days and should be used up as soon as possible. If not in use for a short time, please store at -20°C.

GENE INFORMATION

Gene Name	CTLA4 cytotoxic T-lymphocyte associated protein 4 [Macaca fascicularis (crab-eating macaque)]
Official Symbol	CTLA4
Synonyms	CTLA4
Gene ID	102115124
mRNA Refseq	XM_005574014
Protein Refseq	XP_005574071

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