

Recombinant Human CD28 Protein (Asn19-Pro152), N-His-SUMO tagged, Animal-free, Carrier-free

Cat. No. CD28-322H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD28 Protein (Asn19-Pro152) with N-His-SUMO tag was expressed in HEK293 and Animal-free as well as Carrier-free.
Species	Human
Source	HEK293
ProteinLength	Asn19-Pro152
Description	CD28, a well-known costimulatory receptor expressed on T cells, is a type I transmembrane glycoprotein of the Ig superfamily. When the T cells receive the first signal delivered by APCs (antigen-presenting cells), it initiates signaling cascades, which favor T cell survival and proliferation. It has been demonstrated that patients with lung cancer who responded to PD-1 therapy had more CD28+ T cells, suggesting that CD28 may predict treatment response.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 28.61 kDa. The protein migrates as 48-62 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 1 EU/μg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE analysis.

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Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	CD28 CD28 molecule [Homo sapiens (human)]
Official Symbol	CD28
Synonyms	CD28; CD28 molecule; CD28 antigen (Tp44); T-cell-specific surface glycoprotein CD28; T cell specific surface glycoprotein; CD28 antigen; Tp44; MGC138290;
Gene ID	940
mRNA Refseq	NM_001243077
Protein Refseq	NP_001230006
MIM	186760

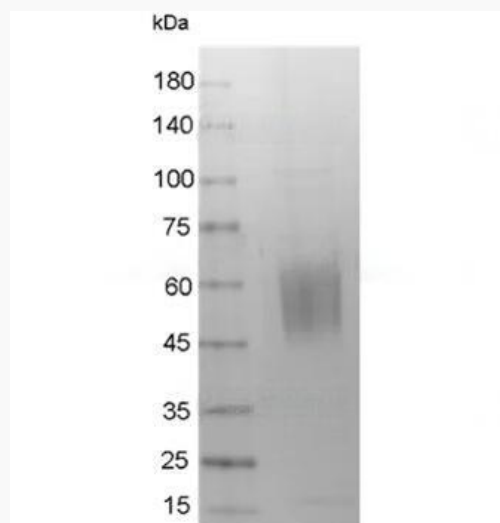
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UniProt ID**P10747**

**SDS-PAGE analysis
of Human CD28 ECD.**



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