

Recombinant Human CD28/TP44 Protein

Catalog No	RP00136	Category	Protein
Description	Recombinant Human CD28/TP44 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Asn19-Pro152) of human CD28/TP44 (Accession #NP_006130.1) fused with a 6×His tag at the C-terminus.		

Sequence Information

Species	Human	Gene ID	940
Tags	6×His tag at the C-terminus	Swiss Prot	P10747
Synonyms	Tp44		
AA Sequence	NKILVKQSPMLVAYDNAVNLSCKYSYNLFSREFRASLHKGLDSAVEVCVVYGNYSQQLQV YSKTGFNCDGKLGNEVTFYLNLYVNQTDIYFCKIEVMYPPPYLDNEKSNGTIIHVKGG HLCPSPLFPGPSKP		

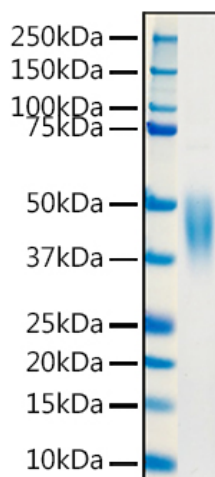
Product information

Source	HEK293 cells
Purity	> 97% by SDS-PAGE.
Endotoxin	< 0.1 EU/μg of the protein by LAL method.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Storage	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Background

The protein Involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival. Enhances the production of IL4 and IL10 in T-cells in conjunction with TCR/CD3 ligation and CD40L costimulation. Isoform 3 enhances CD40L-mediated activation of NF-kappa-B and kinases MAPK8 and PAK2 in T-cells.

SDS-PAGE



Recombinant Human CD28/TP44 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 38-50 kDa.

Bioactivity