

Recombinant Human CD28/TP44 Protein

Catalog No. PKSH031102

Note: Centrifuge before opening to ensure complete recovery of vial contents.

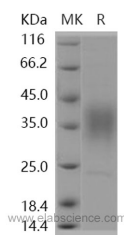
Description

Synonyms	CD28; CD28 antigen; CD28 molecule; T-cell-specific surface glycoprotein CD28; Tp44; TP44
Species	Human
Expression Host	HEK293 Cells
Sequence	Met1-Pro152
Accession	P10747-1
Calculated Molecular Weight	15.9 kDa
Observed molecular weight	23 kDa
Tag	No tag

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4
Reconstitution	Please refer to the printed manual for detailed information.

Data



Background

CD28(Cluster of Differentiation 28) is a disulphide-bonded glycoprotein belonging to the immunoglobulin (Ig) superfamily, and structurally consists of a single Ig V-like extracellular domain, a transmembrane domain and an intracellular domain. Mouse CD28 is constitutively expressed on the surface of all murine T cells and on developing thymocytes as disulfide-linked homodimers or as monomers. CD28 can binds the B7-1 and B7-2 ligand, and together perform important functions in the T and B cell response pathways. B7/CD28 family members, which can augment or antagonize T-cell receptor signaling, in the regulation of central and peripheral T-cell tolerance. CD28 is thus involved in

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T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival.