

Recombinant Mouse CD28/TP44 Protein (Fc & His Tag)

Catalog No. PKSM041241

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

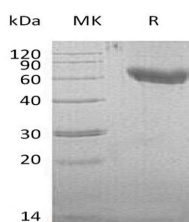
Description

Synonyms	T-cell-specific surface glycoprotein CD28;CD28;CH29-189K17.3
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Asn20-Lys149
Accession	P31041
Calculated Molecular Weight	43.0 kDa
Observed molecular weight	60 kDa
Tag	C-Fc-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
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 a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

T-cell-specific surface glycoprotein CD28, contains an Ig-like V-type domain. CD28 is one of the proteins expressed on T cells that provide co-stimulatory signals, which are required for their activation. It is the receptor for CD80 and CD86.

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When activated by Toll-like receptor ligands, the CD80 expression is upregulated in antigen presenting cells (APCs). The CD86 expression on antigen presenting cells is constitutive. CD28 is the only B7 receptor constitutively expressed on naive T cells. It involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival.