Recombinant Mouse CD27/TNFRSF7 Protein (Fc & His Tag)

Catalog No. PKSM041253

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

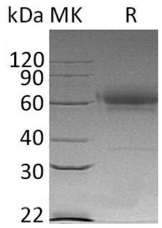
Description

Synonyms	CD27 antigen;CD27L receptor;T-cell activation antigen CD27;Tumor necrosis factor receptor superfamily member 7;S152;Tnfrsf7;Tp55
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Pro24-Arg182
Accession	P41272
Calculated Molecular Weight	45.8 kDa
Observed molecular weight	50-70 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℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 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

Mouse CD27 is a single-pass type I membrane protein which is a member of the tumor necrosis factor receptor

superfamily. CD27 is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. CD27 transduces signals that lead to the activation of NF-κB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor.