Recombinant Mouse CD6/TP120 Protein (His Tag)

Catalog Number: PKSM041351

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

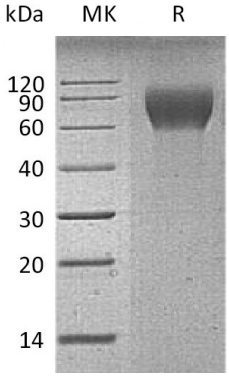
Description

Species	Mouse
Source	HEK293 Cells-derived Mouse CD6/TP120 protein Leu18-Gly396, with an C-terminal His
Calculated MW	41.9 kDa
Observed MW	55-95 kDa
Accession	Q91WN5
Bio-activity	Not validated for activity

Properties

Purity	> 90 % 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% 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



Background

CD6 is a member of the group B scavenger receptor cysteinerich(SRCR) superfamily. CD6 is a type I membrane glycoprotein and contains three extracellularSRCR domains. CD6 is expressed at low levels on immature thymocytes and at high levels on mature thymocytes. The majority of peripheral blood T cells, a subsetof B cells, and a subset of neuronal cells express CD6. Mouse CD6 is a 626 amino acid (aa) protein with a 24 aa sequence, a 372 aa extracellular domain, and a204 aa cytoplasmic region. The role of CD6 has not been fully elucidated. However, it appears to play a role as both a costimulatorymolecule in T cell activation and as an adhesion receptor.CD6/ALCAM interactions have been postulated to play a role in thymocyte development. The CD6 intracellular domain contains regions that can interact with SH2 or SH3 containing proteins. However,the signaling pathways have not been elucidated.

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