

Recombinant Mouse CD5L Protein (His Tag)

Catalog Number:PKSM041246



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

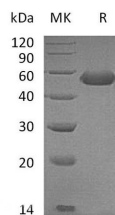
Description

Synonyms	CD5 antigen-like;Apoptosis inhibitor expressed by macrophages;Apoptosis inhibitory 6;CT-2;SP-alpha;Cd5l;Aim;Api6;AAC-11;AI047839;Api6;CT2;Pdp;Sp-alpha
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Glu22-VaL352
Accession	Q9QWK4
Calculated Molecular Weight	37.4 kDa
Observed molecular weight	52 kDa
Tag	C-His

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 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

CD5L, also known as CD5 antigen-like, is secreted protein which mainly expressed by macrophages in lymphoid and inflamed tissues and regulates mechanisms in inflammatory responses, such as infection or atherosclerosis. It is able to inhibit lipid droplet size in adipocytes. CD5L acts as a key regulator of metabolic switch in T-helper Th17 cells. It is Participates in obesity-associated autoimmunity via its association with IgM, interfering with the binding of IgM to Fcalpha/mu receptor and enhancing the development of long-lived plasma cells that produce high-affinity IgG autoantibodies. It also acts as an inhibitor of apoptosis in macrophages: promotes macrophage survival from the apoptotic

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effects of oxidized lipids in case of atherosclerosis. It is involved in early response to microbial infection against various pathogens by acting as a pattern recognition receptor and by promoting autophagy.

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