Human CD69 / CLEC2C Protein, His Tag

Catalog # CD9-H5222

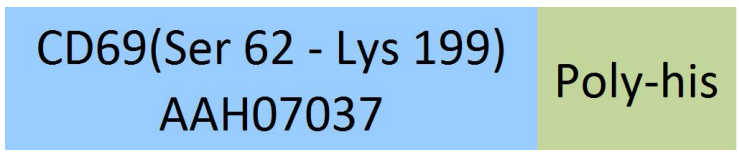
Synonym

CD69,CLEC2C,AIM,BL-AC,P26,EA1,GP32,28,MLR-3

Source

Human CD69, His Tag(CD9-H5222) is expressed from human 293 cells (HEK293). It contains AA Ser 62 - Lys 199 (Accession # AAH07037). Predicted N-terminus: Ser 62

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 16.8 kDa. The protein migrates as 20-26 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to different glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

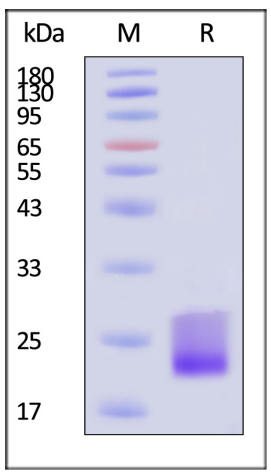
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human CD69, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With Star Ribbon Pre-stained Protein Marker).

Background

Early activation antigen CD69 is also known as C-type lectin domain family 2 member C (CLEC2C), Activation inducer molecule (AIM), Early T-cell activation antigen p60, Leukocyte surface antigen Leu-23. CD69 contains one C-type lectin domain. CD69 / CLEC2C is expressed on the surface of activated T-cells, B-cells, natural killer cells, neutrophils, eosinophils, epidermal Langerhans cells and platelets. CD69 is induced by antigens, mitogens or activators of PKC on the surface of

T and B-lymphocytes and by interaction of IL-2 with the p75 IL-2R on the surface of NK cells. CD69 / CLEC2C involved in lymphocyte proliferation and functions as a signal transmitting receptor in lymphocytes, natural killer (NK) cells, and platelets.