Human LY6G6D Protein, His Tag

Catalog # LYD-H5243

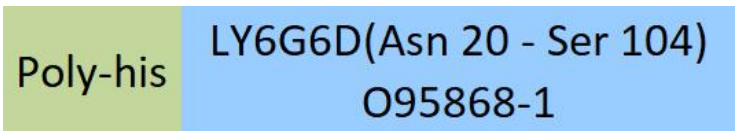
Synonym

lymphocyte antigen 6 family member G6D,C6orf23,G6D,LY6-D,MEGT1,NG25

Source

Human LY6G6D Protein, His Tag(LYD-H5243) is expressed from human 293 cells (HEK293). It contains AA Asn 20 - Ser 104 (Accession # O95868-1).

Molecular Characterization



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

The protein has a calculated MW of 11.1 kDa. The protein migrates as 12-19 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>90% 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

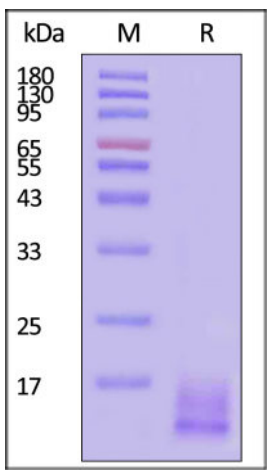
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

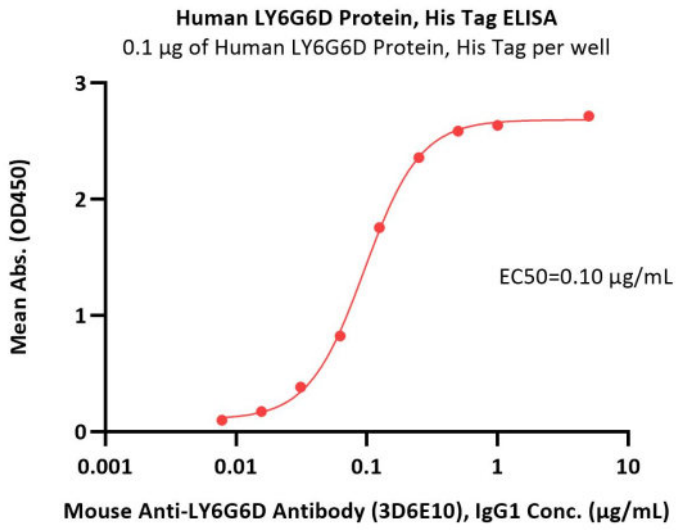
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human LY6G6D Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With Star Ribbon Pre-stained Protein Marker).

Bioactivity-ELISA



Immobilized Human LY6G6D Protein, His Tag (Cat. No. LYD-H5243) at 1 μg/mL (100 μL/well) can bind Mouse Anti-LY6G6D Antibody (3D6E10), IgG1 with a linear range of 0.008-0.25 μg/mL (QC tested).

Background

LY6G6D belongs to a cluster of leukocyte antigen-6 (LY6) genes located in the major histocompatibility complex (MHC) class III region on chromosome 6. Members of the LY6 superfamily typically contain 70 to 80 amino acids, including 8 to 10 cysteines. Most LY6 proteins are attached to the cell surface by a glycosylphosphatidylinositol (GPI) anchor that is directly involved in signal transduction.

Clinical and Translational Updates