

Human LY6G6D Protein, His Tag

Catalog # LYD-H5243AI



BIOSYSTEMS
Acro

Application

Human LY6G6D Protein, His Tag AIDD-Ready protein is designed for direct use in SPR assays. It is supplied in a sugar-free, glycerol-free formulation to eliminate refractive index interference in SPR. No desalting or buffer exchange is required before use, simplifying the SPR workflow and supporting high-throughput experimental validation to accelerate the transition from AI prediction to wet-lab validation.

Features and Advantages

- **Directly compatible with SPR:** No desalting or buffer exchange required; supplied as a liquid to reduce sample preparation and improve experimental efficiency.
- **High batch-to-batch consistency:** Each lot is released using SPR QC to ensure experimental reproducibility.
- **Validated with representative drugs:** SPR binding activity is validated using representative drug antibodies to ensure suitability for drug screening and evaluation.

Synonyms

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

Source

Human LY6G6D Protein, His Tag (LYD-H5243AI) is expressed from human 293 cells (HEK293). It contains AA Asn 20 - Ser 104 (Accession # [O95868-1](#)).

Molecular Characterization

 LY6G6D Structure

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

The protein has a calculated MW of 11.1 kDa. The protein migrates as 12-17 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-HPLC.

Formulation

Supplied as 0.2 µm filtered solution in 10 mM HEPES, 150 mM NaCl, pH7.4.

Contact us for customized product form or formulation.

Shipping and Storage

This product is supplied and shipped on dry ice.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product **MUST** be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

ACRO Quality Management System

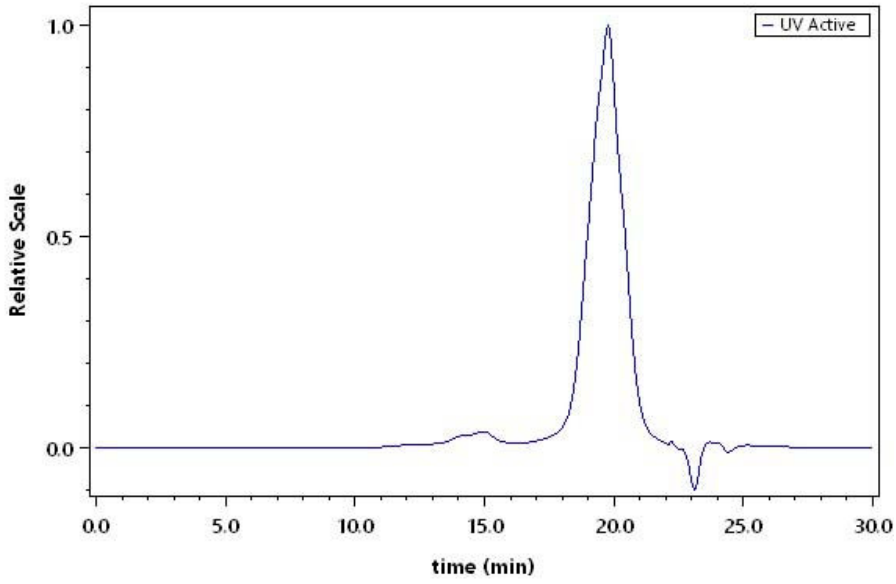
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE

LY6G6D SDS-PAGE

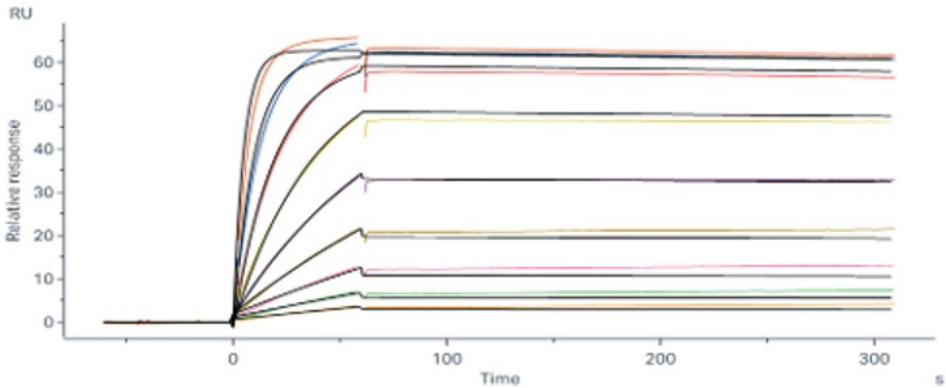
Human LY6G6D Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-HPLC



The purity of Human LY6G6D Protein, His Tag (Cat. No. LYD-H5243AI) was greater than 90% as determined by SEC-HPLC.

Activity-SPR



Linclatamig (biosimilar) captured on Protein A Chip can bind Human LY6G6D Protein, His Tag (Cat. No. LYD-H5243AI) with an affinity constant of 0.225 nM as determined in a SPR assay (Biacore 8K) (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.

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