

Mouse LYPD3 / C4.4A Protein, His Tag (MALS verified)

Catalog # LY3-M52H3



Synonyms

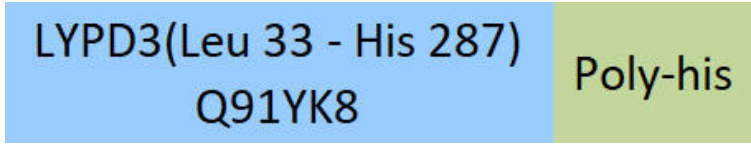
LYPD3, MIG-C4, C4.4A

Source

Mouse LYPD3 Protein, His Tag (LY3-M52H3) is expressed from human 293 cells (HEK293). It contains AA Leu 33 - His 287 (Accession # [Q91YK8](#)).

Predicted N-terminus: Leu 33

Molecular Characterization



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

The protein has a calculated MW of 28.6 kDa. The protein migrates as 55-80 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 / rFC method.

Purity

>90% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

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.

Shipping and Storage

This product is shipped at ambient temperature.

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

Please avoid repeated freeze-thaw cycles.

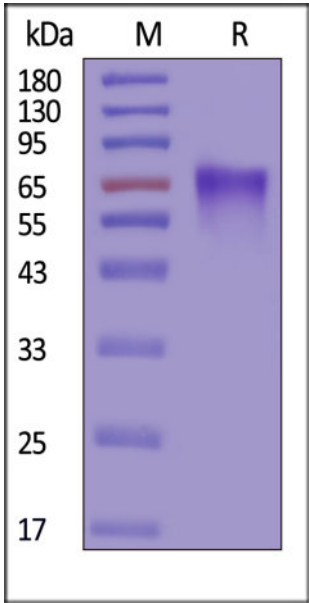
This product is stable after storage at:

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

ACRO Quality Management System

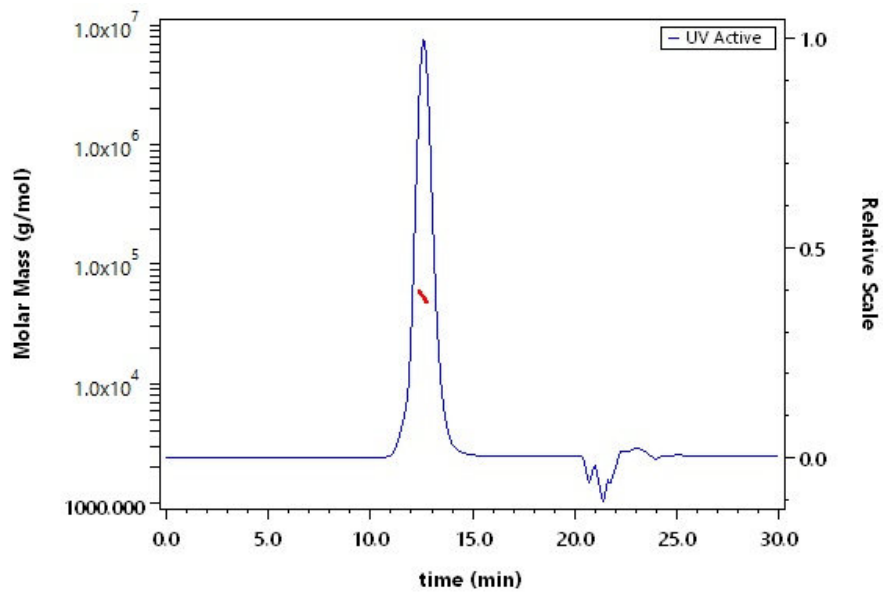
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Mouse LYPD3 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-MALS



The purity of Mouse LYPD3 Protein, His Tag (Cat. No. LY3-M52H3) is more than 95% and the molecular weight of this protein is around 45-60 kDa verified by SEC-MALS.

Background

Ly6/PLAUR domain-containing protein 3 (LYPD3) is also known as MIG-C4 ,C4.4A, GPI-anchored metastasis-associated protein C4.4A homolog and Matrigel-induced gene C4 protein, which is a cell membrane protein containing two UPAR/Ly6 domains. LYPD3 is expressed in placenta, skin and urothelium. LYPD3 is found in the majority of primary and metastatic transitional cell carcinomas (TCCs) and as well in breast cancer tissues, but not in adjacent normal tissues. LYPD3 play a role in supporting cell migration and it is not only probably involved in urothelial cell-matrix interactions, but also in tumor progression.



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