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Datasheet for ABIN7275200

## LYPD3 Protein (AA 33-287) (His tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	LYPD3
Protein Characteristics:	AA 33-287
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LYPD3 protein is labelled with His tag.

#### Product Details

Purpose:	Mouse LYPD3 Protein
Sequence:	Leu33-His287
Characteristics:	Recombinant Mouse LYPD3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Leu33-His287.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

#### Target Details

Target:	LYPD3
Alternative Name:	LYPD3 ( <a href="#">LYPD3 Products</a> )

## Target Details

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**Background:** Aberrant expression of LYPD3 plays an oncogenic role in several types of cancer. LYPD3 was able to be regulated by the methylation in LYPD3 promoter region, which was positively associated with the overall survival. Furthermore, we explored the related pathways through which LYPD3 affects the pathogenesis and prognosis of LUAD by gene set enrichment analysis, and found that LYPD3 might affect the clinical manifestations of LUAD by regulating the P53 signaling pathway.

**Molecular Weight:** 27.6 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.

**UniProt:** [Q91YK8](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

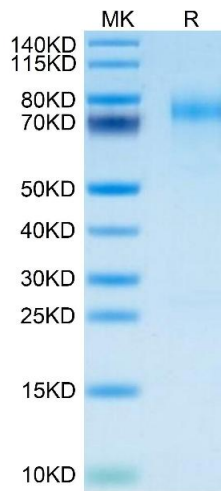
**Reconstitution:** Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

**Buffer:** Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

**Storage:** -20 °C, -80 °C

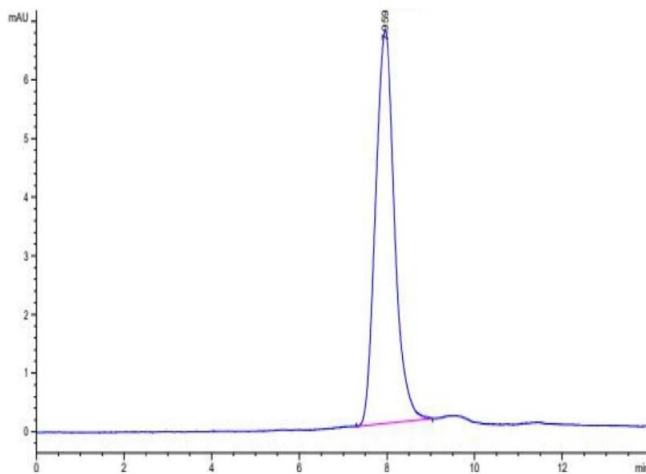
**Storage Comment:** -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., -2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Expiry Date:** 12 months



### SDS-PAGE

**Image 1.** Mouse LYPD3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse LYPD3 is greater than 95 % as determined by SEC-HPLC.