



### Synonym

LY75, CD205, DEC-205, CLEC13B, Lymphocyte antigen 75, gp200-MR6

### Source

Human LY75, His Tag (LY5-H52H3) is expressed from human 293 cells (HEK293). It contains AA Ser 28 - Asp 1666 (Accession # [O60449-1](#)).

Predicted N-terminus: Ser 28

### Molecular Characterization

LY75(Ser 28 - Asp 1666)  
**O60449-1**      Poly-his

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

The protein has a calculated MW of 190.7 kDa. The protein migrates as 200-230 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

### Endotoxin

Less than 1.0 EU per  $\mu$ g by the LAL method / rFC method.

### Purity

>90% as determined by SDS-PAGE.

### Formulation

Lyophilized from 0.22  $\mu$ m 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

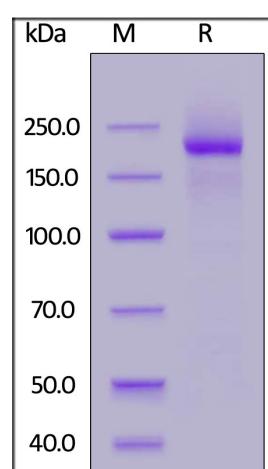
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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 LY75, 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%.

### Background

lymphocyte antigen 75 (Ly 75, also known as CD205, CLEC13B, GP200-MR6 and DEC-205, is a type I transmembrane protein that is primarily expressed on dendritic cells and thymic epithelial cells. LY75 functions as an endocytic receptor for antigens. MEN1309/OBT076, the first antibody drug targeting CD205, has shown strong preclinical anti-tumor activity in lymphoma. After being verified as a single drug in vivo, the antibody-drug conjugate has a synergistic effect with the BCL2 inhibitor Venetoclax and the anti-CD20 monoclonal antibody rituximab.

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Human LY75 / CD205 Protein, His Tag

Catalog # LY5-H52H3



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