

## Active Recombinant Human LY6D Protein (Leu21-Asn98), C-hFc tagged

**Cat. No.** LY6D-48H    **Lot. No.** (See product label)

### SPECIFICATION

|                                     |                                                                                                                                                                                                                                     |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Recombinant Human LY6D Protein (Leu21-Asn98) with a Human IgG1 (Pro100-Lys330) Fc tag at C-terminus was expressed in Human embryonic kidney cell.                                                                                   |
| <b>Species</b>                      | Human                                                                                                                                                                                                                               |
| <b>Source</b>                       | HEK293                                                                                                                                                                                                                              |
| <b>ProteinLength</b>                | Leu21-Asn98                                                                                                                                                                                                                         |
| <b>Description</b>                  | Predicted to be involved in lymphocyte differentiation. Predicted to act upstream of or within response to stilbenoid. Predicted to be located in extracellular region and plasma membrane. Predicted to be active in cell surface. |
| <b>Form</b>                         | Disulfide-linked homodimer                                                                                                                                                                                                          |
| <b>Bio-activity</b>                 | Measured by its ability to inhibit anti-CD3 antibody induced IL-2 or IFN-gamma secretion by human T cells. The ED50 for this effect is 1-7.5 µg/mL.                                                                                 |
| <b>Molecular Mass</b>               | Predicted Molecular Mass: 35 kDa<br>SDS-PAGE: 38-46 kDa, under reducing conditions                                                                                                                                                  |
| <b>N-terminal Sequence Analysis</b> | Leu21                                                                                                                                                                                                                               |

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|                       |                                                                                                                                                                                                                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>      | < 0.10 EU/μg of the protein by the LAL method.                                                                                                                                                                                                                                                           |
| <b>Purity</b>         | > 95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.                                                                                                                                                                                            |
| <b>Storage</b>        | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.<br>12 months from date of receipt, -20 to -70 centigrade as supplied.<br>1 month, 2 to 8 centigrade under sterile conditions after reconstitution.<br>3 months, -20 to -70 centigrade under sterile conditions after reconstitution. |
| <b>Storage Buffer</b> | Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.                                                                                                                                                                                                                                       |
| <b>Reconstitution</b> | Reconstitute at 200 μg/mL in PBS.                                                                                                                                                                                                                                                                        |
| <b>Shipping</b>       | The product is shipped at ambient temperature.                                                                                                                                                                                                                                                           |

## GENE INFORMATION

|                        |                                                                                                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | LY6D lymphocyte antigen 6 family member D [ Homo sapiens (human) ]                                                                |
| <b>Official Symbol</b> | LY6D                                                                                                                              |
| <b>Synonyms</b>        | LY6D; lymphocyte antigen 6 family member D; E48; Ly-6D; lymphocyte antigen 6D; e48 antigen; lymphocyte antigen 6 complex, locus D |
| <b>Gene ID</b>         | 8581                                                                                                                              |
| <b>mRNA Refseq</b>     | NM_003695                                                                                                                         |
| <b>Protein Refseq</b>  | NP_003686                                                                                                                         |

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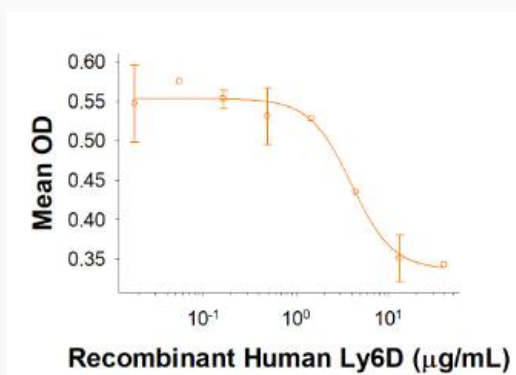
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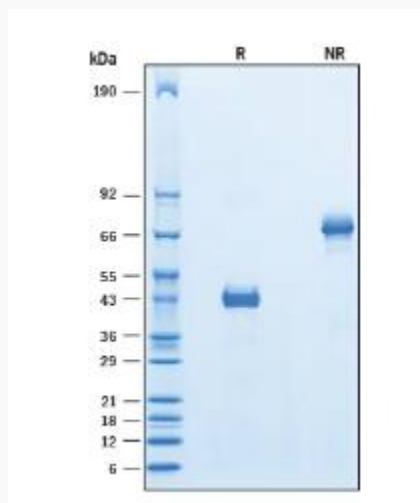
MIM 606204

UniProt ID Q14210

### Binding Activity



### SDS-PAGE



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