

## Recombinant Mouse IL-5RA/CD125 Protein

RPCB1051

### Protein Information

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|-----------------------|--------------------------------|------------------------|--------------|
| <b>Size:</b>          | 10 µg , 20 µg , 50 µg , 100 µg | <b>Tag:</b>            | C-His        |
| <b>Reactivity:</b>    | Mouse                          | <b>Expressed Host:</b> | HEK293 cells |
| <b>Calculated MW:</b> | 37.61 kDa                      | <b>Observed MW:</b>    | 55 kDa       |

### Background

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Interleukin 5 receptor, alpha (IL5RA) also known as CD125 (Cluster of Differentiation 125) is a subunit of the Interleukin-5 receptor. IL5RA (CD125) is an interleukin 5 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand-specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony-stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL5 depends on the beta subunit. The beta subunit is activated by the ligand binding and is required for the biological activities of IL5. This protein has been found to interact with syndecan binding protein (syntenin), which is required for IL5 mediated activation of the transcription factor SOX4. Six alternatively spliced transcript variants encoding three distinct isoforms have been reported. IL5RA (CD125) is a T-cell-derived cytokine that is particularly important in the development of asthma for the terminal differentiation, activation, and survival of committed eosinophil precursors.

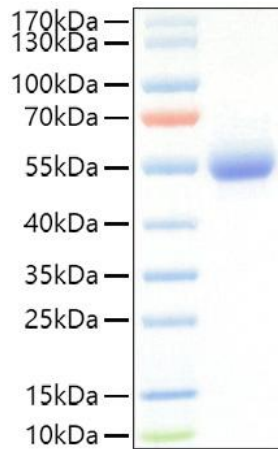
### Properties

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|---------------------|--|
| <b>Synonyms:</b>    | IL5r, CD125, CDw125, IL5RA   |
| <b>Gene ID:</b>     | 16192  |
| <b>Endotoxin:</b>   | < 1 EU/µg of the protein by LAL method.  |
| <b>Description:</b> | High quality, high purity and low endotoxin recombinant Recombinant Mouse IL-5RA/CD125 Protein (RPCB1051), tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.              |
| <b>Purity:</b>      | ≥ 95 % as determined by SDS-PAGE.  |
| <b>Storage:</b>     | Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. |

## Validation Data

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Recombinant Mouse IL-5RA/CD125 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.