

## Recombinant Rat Itga5 Protein, His-tagged

**Cat. No.** Itga5-1697R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Itga5 Protein (Asp516-Cys971) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Asp516-Cys971                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | Enables epidermal growth factor receptor binding activity and integrin binding activity. Involved in several processes, including female pregnancy; integrin-mediated signaling pathway; and positive regulation of cell-substrate adhesion. Located in cytoplasm. Part of integrin complex. Orthologous to human ITGA5 (integrin subunit alpha 5). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 53.9 kDa<br>Accurate Molecular Mass: 54&29 kDa                                                                                                                                                                                                                                                                            |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                          |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by                                                                                                                                                                                                                                                                |

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name**

[Itga5 integrin, alpha 5 \(fibronectin receptor, alpha polypeptide\) \[ Rattus norvegicus \(Norway rat\) \]](#)

**Official Symbol**

[Itga5](#)

**Synonyms**

ITGA5; integrin, alpha 5 (fibronectin receptor, alpha polypeptide); integrin alpha-5; integrin alpha 5 (fibronectin receptor alpha); Itga5\_retired;

**Gene ID**

[315346](#)

**mRNA Refseq**

[NM\\_001108118](#)

**Protein Refseq**

[NP\\_001101588](#)

**UniProt ID**

[A0A0G2K1E2](#)

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