

Recombinant Rat Itga5 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Itga5 Protein (Asp516-Cys971) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Asp516-Cys971
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 53.9 kDa Accurate Molecular Mass: 54&29 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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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