

Datasheet for ABIN6239869

JAK3 Protein (AA 716-967) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	JAK3
Protein Characteristics:	AA 716-967
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This JAK3 protein is labelled with His tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 97 %
Biological Activity Comment:	JAK3 (Tyrosine-protein kinase JAK3) is a non-receptor tyrosine kinase that involved in various processes such as cell growth, development, or differentiation. Besides, STAM2 has been identified as an interactor of JAK3, thus a binding ELISA assay was conducted to detect the interaction of recombinant human JAK3 and recombinant human STAM2. Briefly, JAK3 were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL were then transferred to STAM2-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-JAK3 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µL stop solution to the wells and read at 450nm immediately. The binding activity of of JAK3

Product Details

and STAM2 was shown in Figure 1, and this effect was in a dose dependent manner The binding activity of JAK3 with STAM2.

Target Details

Target:	JAK3
Abstract:	JAK3 Products
Background:	Alternative Names: JAKL, L-JAK, LJAK, A Protein Tyrosine Kinase,Leukocyte, Leukocyte janus kinase, Tyrosine-protein kinase JAK3
Molecular Weight:	32kDa
UniProt:	P52333
Pathways:	JAK-STAT Signaling , RTK Signaling , Response to Growth Hormone Stimulus , Regulation of Leukocyte Mediated Immunity , Production of Molecular Mediator of Immune Response , Protein targeting to Nucleus , Activated T Cell Proliferation , Unfolded Protein Response

Application Details

Application Notes:	Isoelectric Point: 8.5
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

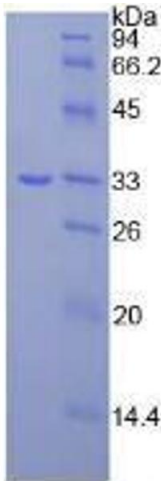


Image 1.