

TYK2 (JTK1) Recombinant Protein | TYK2 recombinant protein

TYK2 (JTK1), Active

CATALOG # AAA74067	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

TYK2 (JTK1); Active; PSCTK4; MGC126760; MGC126762; TYK2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for TYK2 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for TYK2 recombinant protein	Recombinant human TYK2 (JTK1)(442-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_003331. TYK2 is a member of the tyrosine kinase and, more specifically, the Janus kinases (JAKs) protein families which associates with the cytoplasmic domain of type I and type II cytokine receptors and promulgate cytokine signals by phosphorylating receptor subunits. It is also component of both the type I and type III interferon signaling pathways. TYK2 play a role in anti-viral immunity and TYK2 plays an indispensable role in controlling responses to multiple cytokines in humans (1). Tyk2 contributes selectively to signals triggered by various biologic stimuli and cytokine receptors and TYK2 is an important regulator of lymphoid tumor surveillance (2).
Product Categories/Family for TYK2 recombinant protein	Protein Kinases ; Cancer ; Cardiovascular Disease ; Cytoplasmic Tyrosine Kinases ; Inflammation ; JAK/STAT Pathway
References	1. Minegishi, Y. et.al: Human tyrosine kinase 2 deficiency reveals its requisite roles in multiple cytokine signals involved in innate and acquired immunity. <i>Immunity</i> 25: 745-755, 2006. 2. Stoiber, D. et.al: TYK2 is a key regulator of the surveillance of B lymphoid tumors. <i>J. Clin. Invest.</i> 114: 1650-1658, 2004.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_003331
Molecular Weight	~110kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/tyk2-jtk1-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/74067>