

## Recombinant Human TYK2 cell lysate

Cat. No. TYK2-1867HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	This gene encodes a member of the tyrosine kinase and, more specifically, the Janus kinases (JAKs) protein families. This protein 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. As such, it may play a role in anti-viral immunity. A mutation in this gene has been associated with hyperimmunoglobulin E syndrome (HIES) - a primary immunodeficiency characterized by elevated serum immunoglobulin E.
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	TYK2 tyrosine kinase 2 [ Homo sapiens ]
<b>Official Symbol</b>	TYK2
<b>Synonyms</b>	TYK2; tyrosine kinase 2; non-receptor tyrosine-protein kinase TYK2; JTK1;

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<b>Gene ID</b>	7297
<b>mRNA Refseq</b>	NM_003331
<b>Protein Refseq</b>	NP_003322
<b>MIM</b>	176941
<b>UniProt ID</b>	P29597
<b>Chromosome Location</b>	19p13.2
<b>Pathway</b>	Cytokine Signaling in Immune system, organism-specific biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; IL-3 Signaling Pathway, organism-specific biosystem; IL-4 signaling Pathway, organism-specific biosystem;
<b>Function</b>	ATP binding; growth hormone receptor binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein tyrosine kinase activity;

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