

Recombinant Full Length Human TYK2 Protein, C-Flag-tagged

Cat. No. TYK2-636HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TYK2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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 a 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 Immunodeficiency 35.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	133.7 kDa
AA Sequence	MPLRHWGMARGSKPVGDGAQPMAAMGGLKVLLHWAGPGGGEPWVTFSESSLTA EEVCIHIAHKVGITPPC FNLFALFDAQAQVWLPPNHILEIPRDASLMLYFRIRFYFRN WHGMNPREPAVYRCGPPGTEASSDQTAQG MQLLDPASFEYLFEQKGHEFVNDVA SLWELSTEEIHHFKNESLGMAFLHLCHLALRHGIPLLEEVAKKTS FKDCIPRSFRRHI RQHSALTRLRLRNVFRFLRDFQPGRLSQQMVMVKYLATLERLAPRFGTERVPVCH L RLLAQAEGEPCYIRD SGVAPTDPGPESAAGPPTHEVLVTGTGGIQWWPVEEEVN KEEGSSGSSGRNPQAS LFGKKAKAHKAVGQPADRPREPLWAYFCDFRDITHVVLK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EHCVSIHRQDNKCLELSLPSRAAALS FVSLV DGYFRLTADSSHYLCHEVAPPRLVM
 SIRDGIHGPLEPFVQAKLRPEDGLYLIHWSTSHPYRLILTVAQR SQAPDGMQSLRL
 RKFPIEQQDGAFVLEGWGRSFPSVRELGAALQGCLLRAGDDCFSLRRCCLPQPGE
 TSN LIIMRGARASPRTLNLSQLSFHRVDQKEITQLSHLGQGTRTNVYEGRLRVEGSG
 DPEEGKMDDDEDPLVPG RDRGQELRVVLKVLDP SHHDIALAFYETASLMSQVSHTHL
 AFVHGVCVRGPENIMVTEYVEHGPLDVWLR RERGHVPMAWKMVVAQQLASALS Y
 LENKNLVHGNVCGRNILLARLGLAEGTSPFIKLSDPGVGLGALSRE ERVERIPWLAP
 ECLPGGANSLSTAMDKWGF GATLLEICFDGEAPLQSRSPSEKEHFYQRQHRLPEPS
 CPQ LATLTSQCLTYEPTQRPSFR TILRD LTRLQPHNLADVLT VNPDSPASDPTV FHK
 RYLKKIRDLGEGHFGK VSLYCYDPTNDGTGEMVAVKALKADCGPQHRSGWKQEIDI
 LRTL YHEHIIKYKGCCEDQGEKSLQLVMEY VPLGSLRDYLP RHSIGLAQLLLFAQQIC
 EGMAYLHSQHYIHRDLAARNVLLDNDRLVKIGDFGLAKAVPE GHEYRVREDGDSP
 VFWYAPECLKEYKFYYASDVWSFGVTLYELLTHCDSSQSPPTKFLELIGIAQQGMT
 VLRLTELLERGERLPRPKCPCEVYHLMKNCWETEASFRPTFENLIPILKT VHEKYQ
 GQAPSVFVSVCTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining.

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >50 ug/mL as determined by microplate BCA method.

Preparation Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families Druggable Genome, Protein Kinase

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Pathways	Jak-STAT signaling pathway
-------------------------	----------------------------

Full Length	Full L.
--------------------	---------

GENE INFORMATION

Gene Name	TYK2 tyrosine kinase 2 [Homo sapiens (human)]
------------------	---

Official Symbol	TYK2
------------------------	------

Synonyms	JTK1; IMD35
-----------------	-------------

Gene ID	7297
----------------	------

mRNA Refseq	NM_003331.5
--------------------	-------------

Protein Refseq	NP_003322.3
-----------------------	-------------

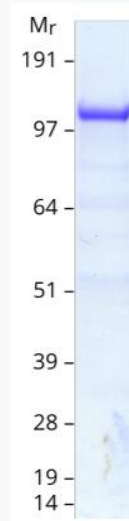
MIM	176941
------------	--------

UniProt ID	P29597
-------------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Purified recombinant protein TYK2 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA