

Product datasheet for TP304351

TYK2 (NM_003331) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human tyrosine kinase 2 (TYK2), full length, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC204351 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MPLRHWGMARGSKPVG DGAQPMAAMGGLKVLHWAGPGGGEPWVTFSESSLTAEVCIHIAHKVGITPPC
 FNLFALFDAQAQVWLPPNHILEIPRDASLMLYFRIRFYFRNWHGMNPREPAVYRCGPPGTEASSDQTAQG
 MQLLDPASFEYLFEQKHEFVNDVASLWELSTEEIHHFKNESLGM AFLHLCHLALRHGIPLEEVAKKT
 FKDCIPRSFRRHIRQHSALTRLRLRNVFRFLRDFQPGRLSQQMVMVKYLATLERLAPRFGTERVPVCHL
 RLLAQAE GEP CYIRDSGVAPTDPGPESAAGPPTHEVLVTGTGGIQWWPVEEEVNKEEGSSGSSGRNPQAS
 LFGKKAKAHKAVGQPADRPREPLWAYFCDFRDITHVVLKEHCVSIHRQDNKCLELSLPSRAAALSFVSLV
 DGYFRLTADSSHYLCHEVAPRLVMSIRDGIHGPLEPFVQAKLRPEDGLYLIHWSTSHPYRLILTVAQR
 SQAPDGMQSLRLRFPIEQDGFVLEGWGRSFPVRELGAALQGCLLRAGDDCFSLRRCCLPQPGETSN
 LIIMRGARASPRTLNLSQLSFHRVDQKEITQLSHLQGQTRTNVYEGRLRVEGSGDPEEGKMDDEDPLVPG
 RDRGQELRVVLKVLDP SHHDIALAFYETASLMSQVSHTHLAFVHGVCVRGPENIMVTEYVEHGPLDVWLR
 RERGHVPMAWKMVVAQQLASALSYLENKNLVHGNVCGRNILLARLGLAEGTSPFIKLSDPGVGLGALSRE
 ERVERIPWLAPECLPGGANSSTAMDKWGF GATLLEICFDGEAPLQSRSPSEKEHFYQRQHRLPEPSCPQ
 LATLTSQCLTYEPTQRPSFRTLRLDLRLQPHNLADVLTVNPDSPASDPTVFHKRYLKKIRDLGEGHFGK
 VSLYCYDPTNDGTGEMVAVKALKADCGPQHRSGWKQEIDILRTLYHEHIIKYGCCEDQGEKSLQLVMEY
 VPLGSLRDYLP RHSIGLAQLLLFAQQICEGMAYLHSQHYIHRDLAARNVLLDNDRLVKIGDFGLAKAVPE
 GHEYRVREDGDS PVFWYAPECLKEYKFYASDVWSFGVTLYELLTHCDSSQSPPTKFELELIGIAQGQMT
 VLRLTELLERGERLPRPDKCPCEVYHLMKNCWETEASFRPTFENLIPILKTVHEKYQGQAPS VFSVC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

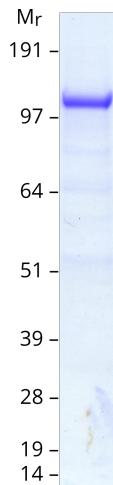
Tag:	Myc-DDK
Predicted MW:	133.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate Bradford method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003322
Locus ID:	7297
UniProt ID:	P29597 , A0A024R7E4
RefSeq Size:	4262
Cytogenetics:	19p13.2
RefSeq ORF:	3561
Synonyms:	IMD35; JTK1
Summary:	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. [provided by RefSeq, Sep 2020]
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Jak-STAT signaling pathway

Product images:



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