

Recombinant Human TXK Tyrosine Kinase, GST-tagged, Active

Cat. No. TXK-453H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TXK (239-end) was expressed by baculovirus in Sf9 insect cell using an N-terminal GST tag. MW = 53 kDa.
Species	Human
Source	Sf9 Cells
Protein Length	239-end a.a.
Description	TXK or RLK is a member of the TEC family of non-receptor tyrosine kinases. TXK is expressed in T-cells and is an important component of signaling pathways downstream of lymphocyte antigen receptor. TXK is phosphorylated in response to T-cell receptor stimulation and can be activated by phosphorylation by Src family kinases. However, TXK is phosphorylated independent of PI-3K activity.. Excessive TXK protein expression is seen in patients with Behcet's disease. Over production of TXK leads to increased Th1 cell function that is involved in the pathogenesis of Behcet's disease.
Sequence	239-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

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performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	TXK TXK tyrosine kinase [Homo sapiens]
Synonyms	TXK tyrosine kinase; RLK; TKL; BTKL; PTK4; PSCTK5; MGC22473; TXK; tyrosine kinase; PTK4 protein tyrosine kinase 4; EC 2.7.10.2
Gene ID	7294
mRNA Refseq	NM_003328
Protein Refseq	NP_003319
MIM	600058
UniProt ID	P42681
Chromosome Location	4p12
Pathway	Leukocyte transendothelial migration
Function	non-membrane spanning protein tyrosine kinase activity; nucleotide binding; ATP binding; transferase activity; protein binding

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