

IKKBK

Recombinant Human I-kappa-B Kinase beta Active GST-His

Catalog No.	CRI023	Quantity:	50 µg
Alternate Names:	FLJ40509, IKK-beta, IKK2, IKKB,, NFKB1KB, inhibitor of nuclear factor kappa B kinase beta subunit, nuclear factor NF-kappa-B inhibitor kinase beta		
Description:	Human IKK-beta, full length, amino acids M ₁ -S ₇₅₆ (as in GenBank entry NM_001556), N-terminal GST-HIS ₆ fusion protein with a Thrombin cleavage site, expressed in Sf9 insect cells		
Concentration:	0.695 µg/µl		
Gene ID:	3551		
Protein Accession No:	NM_001556		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 120.201 Da		
Formulation:	50 mM HEPES pH 7.5 + 100 mM NaCl + 5 mM DTT, 20% glycerol		
Purification:	Immobilized Metal Affinity Chromatography		
Product Identity:	IKK-beta was confirmed as IKK-beta by mass spectroscopy LCESI-MS/MS		
Specific Activity:	2 pmol/µg×min Method for determination of K _m value and specific activity: • Assay conditions: 60 mM HEPES-NaOH, pH 7.5 3 mM MgCl ₂ 3 mM MnCl ₂ 3 µM Na-orthovanadate 1.2 mM DTT 2.5 µg / 50 µl PEG _{20,000} ATP (variable) Substrate: IKBa derived peptide (R11-DDRHDSGLDSMKD), 40 µg / ml IKK-beta: 2 µg / ml • Filter binding assay MSPH membrane (Millipore)		

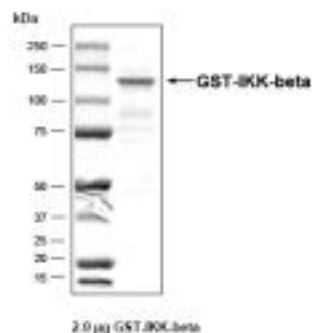


Amino Acid Sequence: MSPILGYWKI KGLVQPTRL LLEYLEEKYEE HLYERDEGDK WRNKKFELGL
 EFPNLPYYID GDVKLTSMA IIRYADKHN MLGGCPKERA EISMLEGAVL
 DIRYGVSRIA YSKDFETLV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH
 PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA
 WPLQGWQATF GGDHPPKSD PMGHHHHHHG RRRASVAAGI LVPRGSPGLD
 GIYARGIQAS MGARGRQCDG YLQNSPLFMS **WSPSLTTQTC GAWEMKERLG**
TGGFGNVIRW HNQETGEQIA IKQCRQELSP RNRERWCLEI QIMRRLTHPN
VVAARDVPEG MQNLAPNDLP LLAMEYCQGG DLRKYLNQFE NCCGLREGAI
LTLLSDIASA LRYLHENRII HRDLKPENIV LQQGEQRLIH KIIDLGYAKE
LDQGSLSCTSF VGTLQYLAPL LLEQQKYTVT VDYWSFGTLA FECITGFRPF
LPNWQPVQWH SKVRQKSEVD IVSEDLNGT VKFSSSLPYP NNLNSVLAER
LEKWLQLMLM WHPRQRGTDP TYGPNGCFKA LDDILNLKLV HILNMVTGTI
HTYPVTEDES LQSLKARIQQ DTGIPEEDQE LLQEAGLALI PDKPATQCIS
DGKLNEGHTL DMDLVFLFDN SKITYETQIS PRQPESVSC ILQEPKRNL
FFQLRKVWGQ VWHSIQLKE DCNRLQQGQR AAMMNLLRNN SCLSKMKNSM
ASMSQQLKAK LDFFKTSIQI DLEKYSEQTE FGITSDKLLL AWREMEQAVE
LCGRENEVKL LVERMMALQT DIVDLQRSPM GRKQGGTLD LEEQARELYR
RLREKPRDQR TEGDSQEMVR LLLQAIQSFE KKVRVIYTQL SKTVVCKQKA
LELLPKVEEV VSLMNEDEKT VVRLQEKRQK ELWNLLKIAC SKVRGPVSGS
PDSMNASRLS QPGQLMSQPS TASNSLPEPA KKSEELVAEA HNLRTLLENA
IQDTVREQDQ SFTVTACALD WSWLQTEEEE HSCLEQASGK GEFQHTGGRY

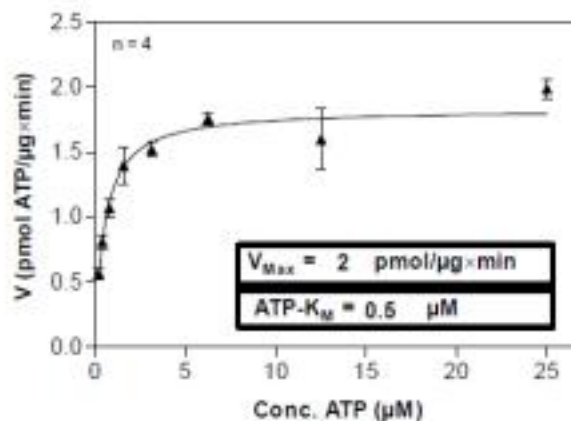
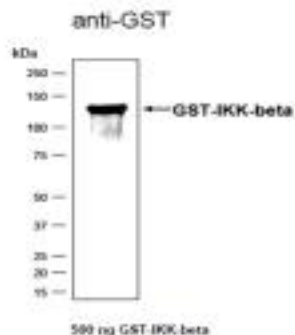
Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

Determination of K_m value for ATP:

Coomassie stain:



Western blot analysis:



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
 480 Neponset Street
 Bldg 12A
 Canton, MA 02021

Toll Free: 888-769-1246
 Phone: 781-828-0610
 Fax: 781-828-0542

E-mail: info@cellsciences.com
 Website: www.cellsciences.com