

Product datasheet for PH319154

IKK beta (IKKB) (NM_001556) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IKKB MS Standard C13 and N15-labeled recombinant protein (NP_001547)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219154
Predicted MW:	86.4 kDa
Protein Sequence:	>RC219154 representing NM_001556 Red=Cloning site Green=Tags(s)

MSWSPSLTTQTCGAWEMKERLGTGGFGNVIRWHNQETGEQIAIKQCRQELSPRNRERWCLEIQIMRRLTH
PNVVAARDVPEGMQNLAPNDLPLLAMEYCQGGDLRKYLNQFENCCGLREGAILTLLSDIASALRYLHENR
I IHRDLKPENIVLQQGEQRLIHKIIDLGYAKELDQGSLSCTSFVGTLYLAPELLEQQKYTVTVDYWSFGT
LAFECITGFRPFLPNWQPVQWHSKVRQKSEVDIVVSEDLNGTVKFSSSLPPYNNLSVLAERLEKWLQLM
LMWHPRQRGTDPTYGPNCGFKALDDILNLKLVHILNMVTGTIHTYPTVEDESLQSLKARIQQDTGIPEED
QELLQEAGLALIPDKPATQCISDGKLNIGHTLMDLVFLFNSKITIYETQISPRQPESVSCILQEPKRN
LAFFQLRKVWGWVHSIQTLKEDCNRLQQGQRAAMNLLRNNSCLSKMKNSMASMSQQLKAKLDFFKTSI
QIDLEKYSEQTEFGITSDKLLLAWREMEQAVELCGRENEVKLLVERMMALQTDIVDLQRSMPGRKQGGTL
DDLEEQARELYRRLREKPRDQRTEGDSQEMVRLLLQAIQSFEEKVRIYITQLSKTVVCKQKALELLPKVE
EVSLSMNEDEKTVVRLQEKRQKELWNLLKIACSKVRGPVSGSPDSMNASRLSQPGQLMSQPSTASNSLPE
PAKKSEELVAEAHNLCTLLENAIQDQVREQDQSFALTALDWSWLQTEEEHSCLEQAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001547</u>



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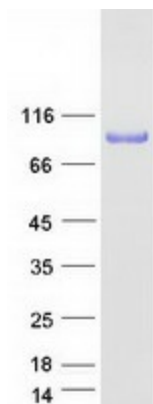
RefSeq Size:	3916
RefSeq ORF:	2268
Synonyms:	IKK-beta; IKK2; IKKB; IMD15; IMD15A; IMD15B; NFKBIKB
Locus ID:	3551
UniProt ID:	O14920
Cytogenetics:	8p11.21

Summary: The protein encoded by this gene phosphorylates the inhibitor in the inhibitor/NF-kappa-B complex, causing dissociation of the inhibitor and activation of NF-kappa-B. The encoded protein itself is found in a complex of proteins. Several transcript variants, some protein-coding and some not, have been found for this gene. [provided by RefSeq, Sep 2011]

Protein Families: Druggable Genome, Protein Kinase, Transcription Factors

Protein Pathways: Acute myeloid leukemia, Adipocytokine signaling pathway, Apoptosis, B cell receptor signaling pathway, Chemokine signaling pathway, Chronic myeloid leukemia, Cytosolic DNA-sensing pathway, Epithelial cell signaling in Helicobacter pylori infection, Insulin signaling pathway, MAPK signaling pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Pancreatic cancer, Pathways in cancer, Prostate cancer, RIG-I-like receptor signaling pathway, Small cell lung cancer, T cell receptor signaling pathway, Toll-like receptor signaling pathway, Type II diabetes mellitus

Product images:



Coomassie blue staining of purified IKKKB protein (Cat# [TP319154]). The protein was produced from HEK293T cells transfected with IKKKB cDNA clone (Cat# [RC219154]) using MegaTran 2.0 (Cat# [TT210002]).