

Product datasheet for **TP315795M**

BMP2K (NM_198892) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human BMP2 inducible kinase (BMP2K), transcript variant 1, 100 µg

Species: Human

Expression: HEK293T

Host:

Expression: >RC215795 representing NM_198892

cDNA Clone or AA Sequence: Red=Cloning site Green=Tags(s)

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MKKFSRMPKSEGGSGGGAAGGGAGGAGAGAGCGSGSSVGVVFAVGRHQVTLEESLAEGGFSTVFLVRT
HGGIRCALKRMYVNNMPDLNVCKREITIMKELSGHKNIVGYLDCAVNSISDNVWEVLILMEYCRAGQVVN
QMNNKLQGTGTEPEVLQIFCDTCEAVARLHQCKTPIIHRDLKVENILLNDGGNYVLCDFGSATNKFLNPQ
KDGVNVEEIEIKYTTLSYRAPEMINLYGGKPITTKADIWALGCLLYKLCFFTLPGESQVAICDGNFTI
PDNSRYSRNIHCLIRFMLEPDPEHRPDIFQVSYFAFKFAKKDCPVSNNSSIPSALPEPMTASEAAAARK
SQIKARITDTIGPTETSIAPRQRPKANSATTATPSVLTIQSSATPVKVLAPGEGFNHRPKGALRPGNGPE
ILLGQPPQPPQHRVLLQQLQQGDWRLQQLHLQHRHPHQQQQQQQQQQQQQQQQQQQQQQQQQQQHHHH
HHHHLLQDAYMQYQHATQQQMLQQQLMHSVYQPQPSASQYPTMMPQYQQAFFQQQMLAQHQPSQQQA
SPEYLTSPQEFSPALVSYTSSLPAQVGTIMDSSYSANRSVADKEAIANFTNQKNISNPPDMSGWNPFGED
NFSKLTTEEELLDREFDLLRSNRLEERASSDKNVDLSAPHNHPPEDPFGSVPFISHSGSPEKKAHSSIN
QENGTANPIKNGKTSPASKDQRTGKKTQVQVQKGNDESESDPSPKSEEEEEQDDEEVLQGEQG
DFNDDDEPENLGHPRLLMDESEEEEEKHSSDSYEQAKAKYSDMSSVYRDRSGSGPTQDLNLTLLTSA
QLSSDVAVETPKQEFDFVAVPFAVRAQQPQKQEKNEKNLPQHRFPAAGLEQEEFDVFTKAPFSKKNVQ
ECHAVGPEAHTIPGYPKSDVDFGSTPFQFLTSTSKSESNEDLFLVFPFDEITGSQQQKVKQRSLQKLSS
RQRRTKQDMSKSNKRRHGTPTSTKTKLPTYRTPERARRHKKVGRRDSQSSNEFLTISDSKENISVALT
DGKDRGNVLQPEESLLDPFGAKPFHSPDLSWHPHQGLSDIRADHNTVLPGRPRQNSLHGSFHSADVLKM
DDFGAVPFTELWVQSITPHQSQQSQPVLDLDPFGAAPPFSKQ
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 129 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

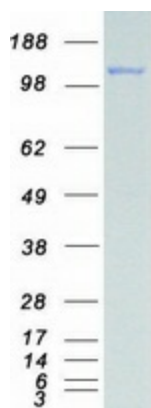
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_942595
Locus ID:	55589
UniProt ID:	Q9NSY1
RefSeq Size:	3859
Cytogenetics:	4q21.21
RefSeq ORF:	3483
Synonyms:	BIKE; HRIHFB2017
Summary:	This gene is the human homolog of mouse BMP-2-inducible kinase. Bone morphogenic proteins (BMPs) play a key role in skeletal development and patterning. Expression of the mouse gene is increased during BMP-2 induced differentiation and the gene product is a putative serine/threonine protein kinase containing a nuclear localization signal. Therefore, the protein encoded by this human homolog is thought to be a protein kinase with a putative regulatory role in attenuating the program of osteoblast differentiation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified BMP2K protein (Cat# [TP315795]). The protein was produced from HEK293T cells transfected with BMP2K cDNA clone (Cat# [RC215795]) using MegaTran 2.0 (Cat# [TT210002]).