

# Recombinant Full Length Human BMP2K Protein, C-Flag-tagged

**Cat. No.** BMP2K-1298HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human BMP2K Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	129 kDa
<b>AA Sequence</b>	MKKFSRMPKSEGGSGGGAAGGGAGGAGAGAGCGSGGSSVGVRFVAVGRHQVTL EESLAEGGFSTVFLVRT HGGIRCALKRMYVNNMPDLNVCKREITIMKELSGHKNIVG YLDCAVNSISDNVWEVLILMEYCRAGQVVN QMNKKLQTGFTEPEVLQIFCDTCEAV ARLHQCKTPIIHRDLKVENILLNDGGNYVLCDFGSATNKFLNPQ KDGVNVVEEEEIKK

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YTTLSYRAPEMINLYGGKPITTKADIWALGCLLYKLCFFTLPGESQVAICDGNFTI PD  
 NSRYSRNIHCLIRFMLEPDPEHRPDIFQVSYFAFKFAKKDCPVSNNINSSIPSALPEP  
 MTASEAAARK SQIKARITDTIGPTETSIAPRQRPKANSATTATPSVLTIQSSATPVKVL  
 APGEFGNHRPKGALRPGNGPE ILLGGQPPQQPPQQHRVLLQQLQQGDWRLQQQLHL  
 QHRHPHQQQQQQQQQQQQQQQQQQQQQQQQQQQQQHHHH HHHHLLQDAYMQQ  
 YQHATQQQMLQQFLMHSVYQPQPSASQYPTMMPQYQQAFFQQMLAQHQPS  
 QQQA SPEYLTSPQEFSPALVSYTSSLPAQVGTIMDSSYSANRSVADKEAIANFTNQ  
 KNISNPPDMSGWNPFGED NFSKLTEEELLDFEEDLLRSNRLEERASSDKNVDSL  
 PHNHPPEDPFGSVPFISHSGSPEKKAHSSIN QENGTANPIKNGKTSPASKDQRTG  
 KKTSVQGGVQKGNDESESDFESDPPSPKSSEEEEQDDEEVVQGEQG DFNDDDTE  
 PENLGHPRLLMSEDEEEEEKHSSDSYEQAKAKYSDMSSVYRDRSGSGPTQDLN  
 TILLTSA QLSSDVAVETPKQEFDFVFGAVPFFAVRAQQPQQEKNEKNLPQHRFPAAG  
 LEQEEFDVFTKAPFSKKVNVQ ECHAVGPEAHTIPGYPKSVDVFGSTPFQPFLLTSTS  
 KSESNEDLFGVLPFDEITGSQQQKVKQRSLQKLSS RQRRTKQDMSKSNKGRHHGT  
 PTSTKTKLPTYRTPERARRHKKVGRRDSQSSNEFLTISDSKENISVALT DGKDRGN  
 VLQPEESLLDPFGAKPFHSPDLSWHPHQGLSDIRADHNTVLPGRPRQNSLHGSFH  
 SADVLKM  
 DDFGAVPFTLVVQSITPHQSQQSQPVLDPFGAAPFSPKQTRTRPLEQKLISEEDL  
 AANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

**Protein Families** Druggable Genome, Protein Kinase

**Full Length** Full L.

## GENE INFORMATION

**Gene Name** BMP2K BMP2 inducible kinase [ Homo sapiens (human) ]

**Official Symbol** BMP2K

**Synonyms** BIKE; HRIHFB2017

**Gene ID** 55589

**mRNA Refseq** NM\_198892.2

**Protein Refseq** NP\_942595.1

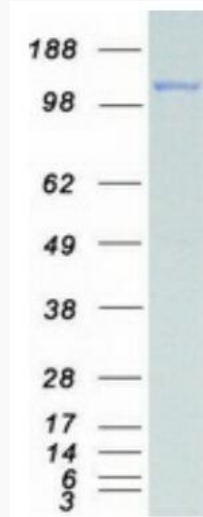
**MIM** 617648

**UniProt ID** Q9NSY1

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Coomassie blue staining of purified BMP2K protein.

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