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

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

SPECIFICATION

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

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	YTTLSYRAPEMINLYGGKPITTKADIWALGCLLYKLCFFTLPFGESQVAICDGNFTI PD NSRYSRNIHCLIRFMLEPDPEHRPDIFQVSYFAFKFAKKDCPVSNINNSSIPSALPEP MTASEAAARK SQIKARITDTIGPTETSIAPRQRPKANSATTATPSVLTIQSSATPVKVL APGEFGNHRPKGALRPGNGPE ILLGQGPPQQPPQQHRVLQQLQQGDWRLQQLHL QHRHPHQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQHHHH HHHHLLQDAYMQQ YQHATQQQQMLQQQFLMHSVYQPQPSASQYPTMMPQYQQAFFQQQMLAQHQPS QQQA SPEYLTSPQEFSPALVSYTSSLPAQVGTIMDSSYSANRSVADKEAIANFTNQ KNISNPPDMSGWNPFGED NFSKLTEEELLDREFDLLRSNRLEERASSDKNVDSLSA PHNHPPEDPFGSVPFISHSGSPEKKAEHSSIN QENGTANPIKNGKTSPASKDQRTG KKTSVQGQVQKGNDESESDFESDPPSPKSSEEEEQDDEEVLQGEQG DFNDDDTE PENLGHRPLLMDSEDEEEEEKHSSDSDYEQAKAKYSDMSSVYRDRSGSGPTQDLN TILLTSA QLSSDVAVETPKQEFDVFGAVPFFAVRAQQPQQEKNEKNLPQHRFPAAG LEQEEFDVFTKAPFSKKVNVQ ECHAVGPEAHTIPGYPKSVDVFGSTPFQPFLTSTS KSESNEDLFGLVPFDEITGSQQQKVKQRSLQKLSS RQRRTKQDMSKSNGKRHHGT PTSTKKTLKPTYRTPERARRHKKVGRRDSQSSNEFLTISDSKENISVALT DGKDRGN VLQPEESLLDPFGAKPFHSPDLSWHPPHQGLSDIRADHNTVLPGRPRQNSLHGSFH SADVLKM DDFGAVPFTELVVQSITPHQSQQSQPVELDPFGAAPFPSKQTRTRPLEQKLISEEDL AANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by

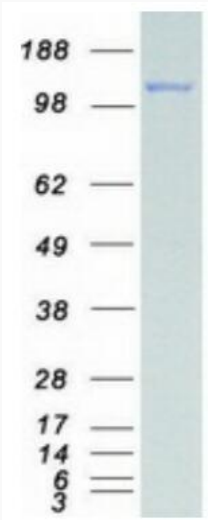
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	conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase
Full Length	Full L.

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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