

Product datasheet for PH315795

BMP2K (NM_198892) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BMP2K MS Standard C13 and N15-labeled recombinant protein (NP_942595)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215795
Predicted MW:	129 kDa
Protein Sequence:	>RC215795 representing NM_198892 Red=Cloning site Green=Tags(s)

MKKFSRMPKSEGGSGGAAGGGAGGAGAGACGSGSSVGVVAVGRHQVTLLEESLAEGGFSTVFLVRT
HGGIRCALKRMYVNNMPDLNVCKREITIMKELSGHKNIYGYLDCAVNSISDNVWEVLILMEYCRAGQVVN
QMNNKQLTGTEPEVLQIFCDTCEAVARLHQCKTPIIHRDLKVENILLNDGGNYVLCDFGSATNKFLLNPQ
KDGVNVVEEIEIKKYTTLSYRAPEMINLYGGKPIITKADIWALGCLLYKLCFFTLPGESQVAICDGNFTI
PDNSRYSRNIHCLIRFMLEPDPEHRPDIQVSYFAFKFAKDCPVSININSSIPSALPEPMTASEAAARK
SQIKARITDTIGPTETSIAPRQRPKANSATTATPSVLTIQSSATPVKVLAPGEFGNHRPKGALRPGNGPE
ILLGQGPQQPPQQRVLLQQLQQGDWRLQQLHLQHRHPHQQQQQQQQQQQQQQQQQQQQQQQHHHH
HHHHLLQDAYMQYQHATQQQMLQQQLMHSVYQPQPSASQYPTMMPQYQQAFFQQQMLAQHQPSQQQA
SPEYLTSPQEFSPALVSYTSSLPAQVGTIMDSSYSANRSVADKEAIANFTNQKINPPDMSGWNPFGED
NFSKLTTEEELLDREFDLLRSNRLEERASSDKNVDSL SAPHNHPPEDPFGSVPI SHSGSPEKKAHESSIN
QENGANPIKNGKTSKASKDQRTGKKTQVQVQKGNDESESDPSPKSSSEEEQDDEEVLQGEQG
DFNDDTEPENLGHRLPLMDESEEEEEKSSSDYEQAQAKAYSDMSSVYRDRSGSGPTQDLNLTILLTSA
QLSSDVAVETPKQEFDFVAVRAQPPQEQEKNEKNLPQHRFPAAGLEQEEFDVFTKAPFSKKVNVQ
ECHAVGPEAHTIPGYPKSVDVFGSTPFQPLTSTSKSESNEDLFGLVFDEITGSQQQKVKQRSLOKLS
RQRRTKQDMSKNGKRHHGTPTSTKTKLPTYRTPERARRHKKVGRRDSQSSNEFLTISDSKENISVALT
DGKDRGNVLQPEESLLDPFGAKPFHSPDLSWHPHQGLSDIRADHNTVLPGRPRQNSLHGSFHSADVLKM
DDFGAVPFTELVVQSIIPHQSQQSQPVLDLDFGAAPFPSKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

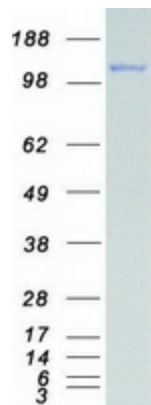
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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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:	NP_942595
RefSeq Size:	3859
RefSeq ORF:	3483
Synonyms:	BIKE; HRIHFB2017
Locus ID:	55589
UniProt ID:	Q9NSY1
Cytogenetics:	4q21.21
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]).