

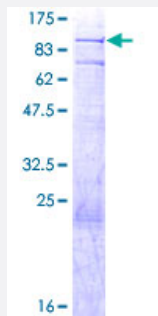
Full-Length

BMP2K (Human) Recombinant Protein (P01)

Catalog # H00055589-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human BMP2K full-length ORF (AAH36021.1, 1 a.a. - 662 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKKFSRMPKSEGGSGGGAAGGGAGGAGAGAGCGSGGSSVGVRVFAVGRHQVTLEESLAEGG
FSTVFLVRTHGGIRCALKRMYVNNMPDLNVCKREITIMKELSGHKNVGYLDCAVNSISDNVWEVLI
LMEYCRAGQVVNQMNKKLQTGFTEPEVLQIFCDTCEAVARLHQCKTPIIHRDLKVENILLNDGGNY
VLCDFGSATNKFLNPQKDGVNVEEEIKKYTTLSYRAPEMINLYGGKPITTKADIWALGCLLYKLCF
FTLPFGESQVAICDGNFTIPDNSRYSRNIHCLIRFMLEPDPEHRPDIFQVSYFAFKFAKKDCPVSININ
NSSIPSALPEPMAASEAAARKSQIKARITDTIGPTE TSIAPRQRPKANSATTATPSVLTIQSSATPVK
VLAPGEFSNHRPKGALRPGNGPEILLGQGPPQPPQQRVLLQQLQQGDWRLQQLHLQHRHPHQ
QQQQQQQQQQQQQQQQQQQQQQHHHHHHHLLQDAYMQQYQHATQQQQMLQQQFLM
HSVYQPQPSASQYPTMMPQYQQAFFQQQMLAQHQPSQQQASPEYLTSPQEFSPALVSYTSSLP
AQVGTIMDSSYSANRSVADKEAIAFTNQKNISNPPDMSGWNPFGEFNFSKLTEEELLDREFDLL
RSSKGHLKAYFASQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

100.3

Interspecies Antigen Sequence

Mouse (86)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BMP2K

Entrez GeneID	55589
GeneBank Accession#	BC036021.1
Protein Accession#	AAH36021.1
Gene Name	BMP2K
Gene Alias	BIKE, DKFZp434K0614, DKFZp434P0116, HRIHFB2017
Gene Description	BMP2 inducible kinase
Gene Ontology	Hyperlink
Gene 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]
Other Designations	BMP-2 inducible kinase

Disease

- [Genetic Predisposition to Disease](#)
- [Myopia](#)