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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PFKFB2 (Human) Recombinant Protein (P01)

Catalog Number: H00005208-P01

Regulation Status: For research use only (RUO)

Product Description: Human PFKFB2 full-length ORF (NP_006203.2, 1 a.a. - 505 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MSGASSEQNNNSYETKTPNLRMSEKKCSWASYMTN
SPTLIVMIGLPARGKTYVSKKLTRYLNWIGVPTKVFNLG
VYRREAVKSYKSYDFFRHDNEEAMKIRKQCALVALED
VKAYLTEENGQIAVFDATNTTRERRDMILNFAEQNSFK
VFFVESVCDPDVIAANILEVKVSSPDYPERNRENVME
DFLKRIECYKVTYRPLDPDNYDKDLSFIKVINVGQRFLV
NRVQDYIQSKIVYYLMMNIHVQPRTIYLCHRGESEFNLLG
KIGGDSGLSVRGKQFAQALRKFLLEEQEITDLKVWTSQL
KRTIQTAEESLGVPEQWKILNEIDAGVCEEMTYAEIEK
RYPEEFALRDQEKYLYRYPGGESYQDLVQRLEPVIME
LERQGNVLVISHQAVMRCLLAYFLDKGADELPLYLRCP
HTIFKLTPVAYGCKVETIKLNVEAVNTHRDKPTNNFPK
NQTPVRMRRNSFTPLSSNTIRRPRNYSVGSRPLKPL
SPLRAQDMQEGAD

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 84.9

Interspecies Antigen Sequence: Mouse (93); Rat (95)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 5208

Gene Symbol: PFKFB2

Gene Alias: DKFZp781D2217, MGC138308, MGC138310, PFK-2/FBPase-2

Gene Summary: The protein encoded by this gene is involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. The encoded protein has a 6-phosphofructo-2-kinase activity that catalyzes the synthesis of fructose-2,6-bisphosphate, and a fructose-2,6-biphosphatase activity that catalyzes the degradation of fructose-2,6-bisphosphate. This protein regulates fructose-2,6-bisphosphate levels in the heart, while a related enzyme encoded by a different gene regulates fructose-2,6-bisphosphate levels in the liver and muscle. This enzyme functions as a homodimer. Two transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]