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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

IDH3B (Human) Recombinant Protein (P01)

Catalog Number: H00003420-P01

Regulation Status: For research use only (RUO)

Product Description: Human IDH3B full-length ORF (NP_008830.2, 1 a.a. - 385 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAALSGVRWLTRALVSAGNPGAWRGLSTSAAAHAAS
RSQAEDVRVEGSFPVTMLPGDVGPELMHAVKEVFK
AAAVPVEFQEHLSEVQNMASEEKLEQVLSSMKENKV
AIIGKIHTPMEYKGEASYDMRLRRKLDLFANVVHVKSL
PGYMTRHNNLDLVIREQTEGEYSSLEHESARGVIECL
KIVTRAKSQRIAKFAFDYATKKGRGKVTAVHKANIMKL
GDGLFLQCCEEVAELYPKIKFETMIIDNCCMQLVQNPY
QFDVLVMPNLYGNIIDNLAAGLVGGAGVVPGESYSAE
YAVFETGARHPFAQAVGRNIANPTAMLLSASNMLRHL
NLEYHSSMIADAVKKVIKVGKVRTRDMGGYSTTTDFIK
SVIGHLQTKGS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 68.6

Interspecies Antigen Sequence: Mouse (94); Rat (94)

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: 3420

Gene Symbol: IDH3B

Gene Alias: FLJ11043, H-IDHB, MGC903

Gene Summary: Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. NAD(+)-dependent isocitrate dehydrogenases catalyze the allosterically regulated rate-limiting step of the tricarboxylic acid cycle. Each isozyme is a heterotetramer that is composed of two alpha subunits, one beta subunit, and one gamma subunit. The protein encoded by this gene is the beta subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase. Three alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]