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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ABAT (Human) Recombinant Protein (P01)

Catalog Number: H0000018-P01

Regulation Status: For research use only (RUO)

Product Description: Human ABAT full-length ORF (AAH08990, 1 a.a. - 116 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MENHHSPKQRRFQRKGVIGAVFCRMSQSSPSRQG
KEGCCREGTAYAKAYQFMASHLSLGKPVSTGSIPRFN
KALFNKQAKCKPNHYSFIGLSMLSPENFSIGCKYSVWF
SETKGF

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 38.5

Interspecies Antigen Sequence: Mouse (38); Rat (38)

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: 18

Gene Symbol: ABAT

Gene Alias: FLJ17813, GABA-AT, GABAT, NPD009

Gene Summary: 4-aminobutyrate aminotransferase (ABAT) is responsible for catabolism of gamma-

aminobutyric acid (GABA), an important, mostly inhibitory neurotransmitter in the central nervous system, into succinic semialdehyde. The active enzyme is a homodimer of 50-kD subunits complexed to pyridoxal-5-phosphate. The protein sequence is over 95% similar to the pig protein. GABA is estimated to be present in nearly one-third of human synapses. ABAT in liver and brain is controlled by 2 codominant alleles with a frequency in a Caucasian population of 0.56 and 0.44. The ABAT deficiency phenotype includes psychomotor retardation, hypotonia, hyperreflexia, lethargy, refractory seizures, and EEG abnormalities. Multiple alternatively spliced transcript variants encoding the same protein isoform have been found for this gene. [provided by RefSeq]