

Recombinant Mouse Abat protein, His & T7-tagged

Cat. No. Abat-1035M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Abat aa. (Ile236~Lys500 (Accession # P61922) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ile236~Lys500
Description	The encoded gene product is responsible for catabolism of gamma-aminobutyric acid (GABA), a mostly inhibitory neurotransmitter in the central nervous system, into succinic semialdehyde. Deficiency of this encoded protein includes psychomotor retardation, hypotonia, hyperreflexia, lethargy, refractory seizures, and EEG abnormalities. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.9kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.8.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
GENE INFORMATION	
Gene Name	Abat 4-aminobutyrate aminotransferase [Mus musculus (house mouse)]
Official Symbol	Abat
Synonyms	Abat; 4-aminobutyrate aminotransferase; I54; Gabat; Gabaat; Gm9851; Laibat; X61497; AI255750; 9630038C02Rik; 4-aminobutyrate aminotransferase, mitochondrial; (S)-3-amino-2-methylpropionate transaminase; 4-aminobutyrate transaminase; GABA aminotransferase; GABA transaminase; GABA transferase; beta-alanine oxoglutarate aminotransferase; gamma-amino-N-butyrate transaminase
Gene ID	268860

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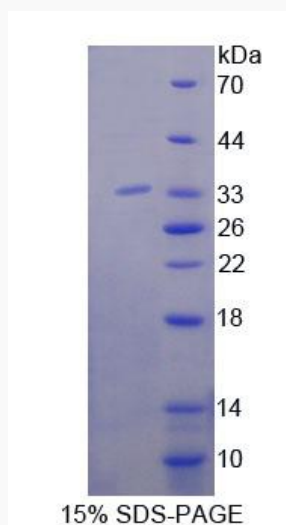
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mRNA Refseq [NM_001170978.1](#)

Protein Refseq [NP_001164449.1](#)

UniProt ID [P61922](#)

SDS-PAGE



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