

## Recombinant Mouse Abat Protein, Myc/DDK-tagged

Cat. No. Abat-1459M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length 4-aminobutyrate aminotransferase (Abat), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	56.5 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## GENE INFORMATION

**Gene Name** [Abat 4-aminobutyrate aminotransferase \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Abat](#)

**Synonyms** ABAT; 4-aminobutyrate aminotransferase; 4-aminobutyrate aminotransferase, mitochondrial; GABA transferase; GABA transaminase; GABA aminotransferase; 4-aminobutyrate transaminase; gamma-amino-N-butyrate transaminase; beta-alanine oxoglutarate aminotransferase; (S)-3-amino-2-methylpropionate transaminase; I54; Gabat; Gabaat; Gm9851; Laibat; X61497; AI255750; 9630038C02Rik; ENSMUSG00000051226

**Gene ID** [268860](#)

**mRNA Refseq** [NM\\_172961](#)

**Protein Refseq** [NP\\_766549](#)

**UniProt ID** [P61922](#)

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