

Recombinant Human ABAT Protein, His-SUMO/MYC-tagged

Cat. No. ABAT-1106H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human full length of mature ABAT Protein (29-500aa) was expressed in E.coli with N-terminal 10xHis-SUMO-tag and C-terminal Myc-tag.
Species	Human
Source	E.coli
ProteinLength	29-500 a.a.
Description	ABAT catalyzes the conversion of gamma-aminobutyrate and L-beta-aminoisobutyrate to succinate semialdehyde and methylmalonate semialdehyde, respectively. Can also convert delta-aminovalerate and beta-alanine.
Form	Tris-based buffer, 50% glycerol.
Molecular Mass	73.3 kDa
AA Sequence	<p>SQAAAKVDVEFDYDGPLMKTEVPGPRSQELMKQLNIIQNAEAVHFFCNYYEESRGN LVDVDGNRMLDLYSQISSVPIGYSHPLLKLIQQPNASMFVNRPALGILPPENFVEK LRQSLLSVAPKGMSQLITMACGSCSNENALKTIFMWYRSKERGQRGFSQEELETCM INQAPGCPDYSILSFMGAFHGRTMGCLATTHSKAIHKIDIPSFDWPIAPFPRLKYPLEE FVKENQQEEARCLEEVEDLIVKYRKKKKTVAGIIVEPIQSEGGDNHASDDFFRKLRLDI ARKHGCAFLVDEVQTTGGGCTGKFWAHEHWGLDDPADVMTFSKMMTGGFFHKEE FRPNAPYRIFNTWLGDPKNNLLAEVINIIKREDLLNNAAHAGKALLTGLLDLQARYPQ FISRVRGRGTFCSDTPDDSSIRNKLILIANRKGVVLGGCGDKSIRFRPTLVFRDHHAAH</p>

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LFLNIFSDILADFK

Purity Greater than 90% as determined by SDS-PAGE.

Storage The shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Full Length Full L.

GENE INFORMATION

Gene Name [ABAT 4-aminobutyrate aminotransferase \[Homo sapiens \]](#)

Official Symbol [ABAT](#)

Synonyms ABAT; 4-aminobutyrate aminotransferase; 4-aminobutyrate aminotransferase, mitochondrial; 4 aminobutyrate transaminase; GABAT; GABA transferase; GABA transaminase; GABA aminotransferase; 4-aminobutyrate transaminase; gamma-amino-N-butyrate transaminase; (S)-3-amino-2-methylpropionate transaminase; NPD009; GABA-AT; FLJ17813; FLJ30272

Gene ID [18](#)

mRNA Refseq [NM_020686](#)

Protein Refseq [NP_065737](#)

MIM [137150](#)

UniProt ID [P80404](#)

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