

Recombinant Human Branched-chain-amino-acid aminotransferase, mitochondrial(BCAT2)

Catalog No: #AP70073

Package Size: #AP70073-1 20ug #AP70073-2 100ug #AP70073-3 1mg

Description

Product Name	Recombinant Human Branched-chain-amino-acid aminotransferase, mitochondrial(BCAT2)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:28-392aaSequence Info:Full Length
Other Names	Placental protein 18 ;PP18
Accession No.	O15382
Calculated MW	57.3 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	ASSSFKAADLQLEMTQKPHKKPGPEPLVFGKTFDTHMLMVEWNDKGWGQPRIQPFQNLTLHPASSSLHYS LQLFEGMKAFKGDQVRLFRPWLNMMDRMLRSAMRLCLPSFDKLELLECIRRLIEVDKDWVPAAGTSLYVR PVLIGNEPSLGVSQPTRALLFVILCPVGAYFPGGSVTPVSLADPAFIRAWVGGVGNKLGNYGPTVLVQQE ALKRGCEQVLWLGYGPDHQLTEVGTMINIFVYWTHEDGVLELVTPLNGVILPGVVRQSLDQAQWGEFRVVE RTITMKQLLRALKEGRVREVFSGTACQVCPVHRILYKDRNLHIPTMENGPELILRFQKELKEIQYGIRAHWEM FPV
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Catalyzes the first reaction in the catabolism of the essential branched chain amino acids leucine, isoleucine, and valine. May also function as a transporter of branched chain alpha-keto acids.

References

Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S. , Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahara K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M.,

Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S. *Nat. Genet.* 36:40-45(2004) Research Topic: Metabolism

Note: This product is for in vitro research use only and is not intended for use in humans or animals.