9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-4218: Recombinant Human Methylmalonic Aciduria cblD type, with Homocystinuria

Alternative Name :	Chromosome 2 Open Reading Frame 25,Methylmalonic Aciduria (Cobalamin Deficiency) CblD Type With Homocystinuria,Methylmalonic Aciduria And Homocystinuria Type D Protein Mitochondrial,Protein C2orf25 Mitochondrial,CL25022,C2orf25,cblD.

Description

Source : Escherichia Coli. MMADHC Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 281 amino acids (39-296) and having a molecular mass of 31.0 kDa. MMADHC is fused to a 23 amino acid His-tag at N-terminus. MMADHC is a mitochondrial protein which takes part in an early step of vitamin B1 2 metabolism. Vitamin B12 (cobalamin) is vital for regular development and existence in humans. Mutations in MMADHC can result in methylmalonic aciduria and homocystinuria type cblD, a cobalamin metabolism syndrome which is characterized by decreased levels of the coenzymes methylcobalamin and adenosylcobalamin.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The MMADHC solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSSDESHVA AAPPDICSRT VWPDETMGPF GPQDQRFQLP GNIGFDCHLN GTASQKKSLV HKTLPDVLAE PLSSERHEFV MAQYVNEFQG NDAPVEQEIN SAETYFESAR VECAIQTCPE LLRKDFESLF PEVANGKLMI LTVTQKTKND MTVWSEEVEI EREVLLEKFI NGAKEICYAL RAEGYWADFI DPSSGLAFFG PYTNNTLFET DERYRHLGFS VDDLGCCKVI RHSLWGTHVV VGSIFTNATP DSHIMKKLSG N