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ALDH6A1, 34-535aa, Human, His tag, E.coli

产品货号: TP01127

第三版

别名: Methylmalonate-semialdehyde dehydrogenase acylating mitochondrial isoform 1, MMSADHA, MMSDH

描述: ALDH6A1 also known as Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial. ALDH6A1 is a mitochondrial methylmalonate semialdehyde dehydrogenase that plays a role in the valine and pyrimidine catabolic pathways. This protein catalyzes the irreversible oxidative decarboxylation of malonate and methylmalonate semialdehydes to acetyl- and propionyl-CoA. ALDH6A1 deficiency is characterized by elevated beta-alanine, 3-hydroxypropionic acid, and both isomers of 3-amino and 3-hydroxyisobutyric acids in urine organic acids. Recombinant human ALDH6A1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

分子量: 56.8kDa (525aa)

序列:

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MGSSHHHHHSSGLVPRGSHMGSSSVPTVKLFIGGKFVESKSDKWIDIHNPATNEVIGRVPQATKAEMDAAIASCKRAF  
PAWADTSVLSRQQVLLRYQQLIKENLKEIAKLITLQEGKTLADAEGDVFRGLQVVEHACSVTSLMMGETMPSITKDMDLY  
SYRLPLGVCAGIAPFNFPAMIPLWMFPMAMVCGNTFLMKPSERVPGATMLLAKLLQDSGAPDGTLNIIHGQHEAVNFICD  
HPDIKAI SFVGSNKAGEYIFERGSRHGKRVQANMGAKNHGVVMPDANKENTLNQLVGA AFGAAGQRCMALSTAVLVG  
EAKKWLP ELVEHAKNLRVNAGDQPGADLGPLITPQAKERVCNLIDSGTKEGASILLDGRKIKVKGYENGNFVGPTIISNVK  
PNMTCYKEEIFGPVLVVLETETLDEAIQIVN NN PYGNGTAIFTTNGATARKYAHLVDVGQVGVNVPIPVPLPMFSFTGSR  
SFRGDTNFY GKQGIQFY TQLKTITSQWKEEDATLSSPAVVMPTMGR
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纯度: > 95% by HPLC

浓度: 0.25mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.